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Placenta No.	Kd Analog (nM)		
	GnRH	Busarelin	Argluteinyl INH2
Placenta 2	2000	746	112
Placenta 3	1666	503	266
Placenta 4	3597	488	529
Mean	2421	579	302
SEM	596	84	122
			23

Placenta No.	Normalized to mammalian GnRH Kd analog/Kd mGnRH		
	GnRH	Busarelin	Argluteinyl INH2
Placenta 2	1.000	0.373	0.056
Placenta 3	1.000	0.302	0.160
Placenta 4	1.000	0.136	0.147
Mean		0.270	0.121
SEM		0.070	0.033
			0.003

Fig. 1

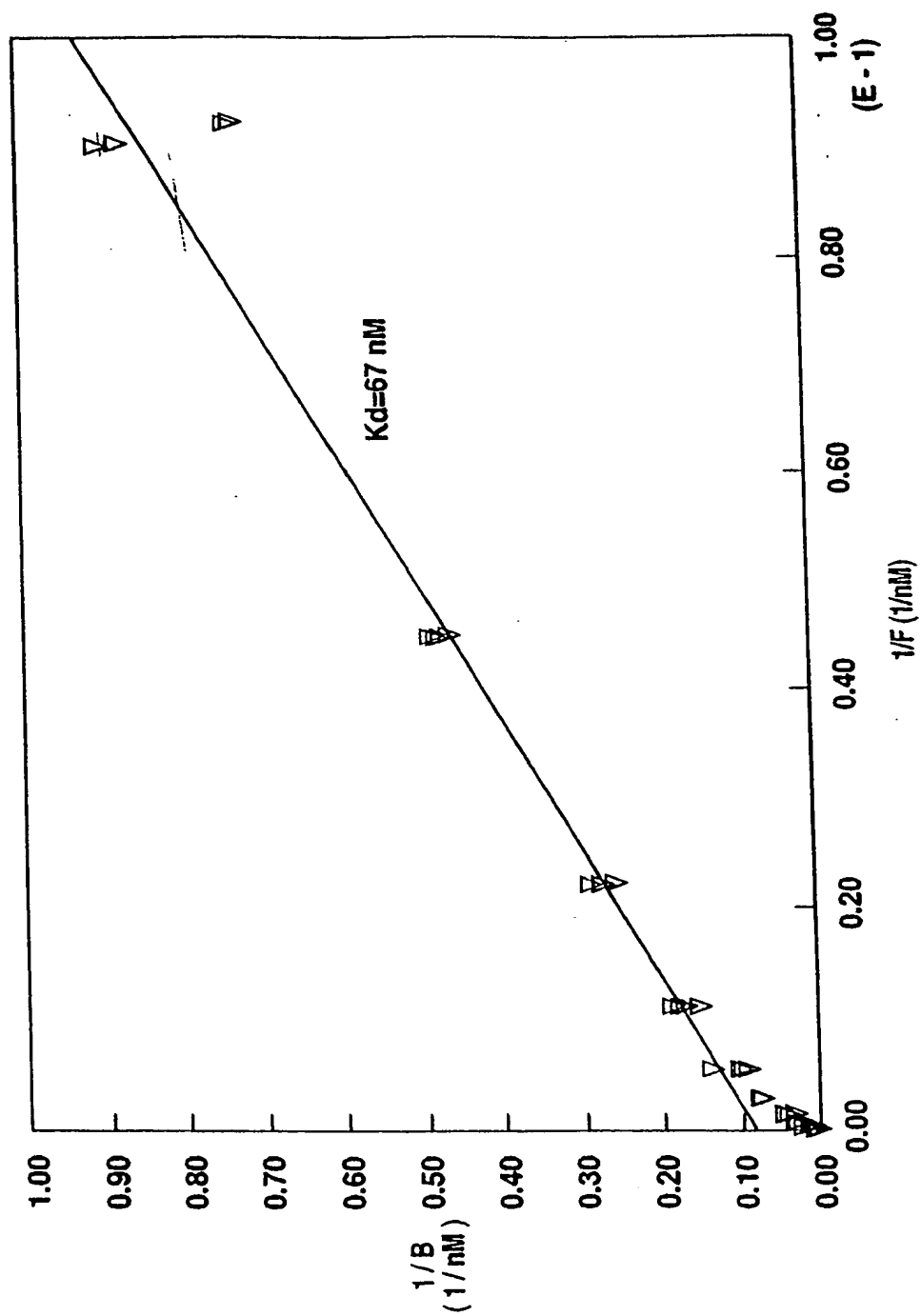


Fig. 2

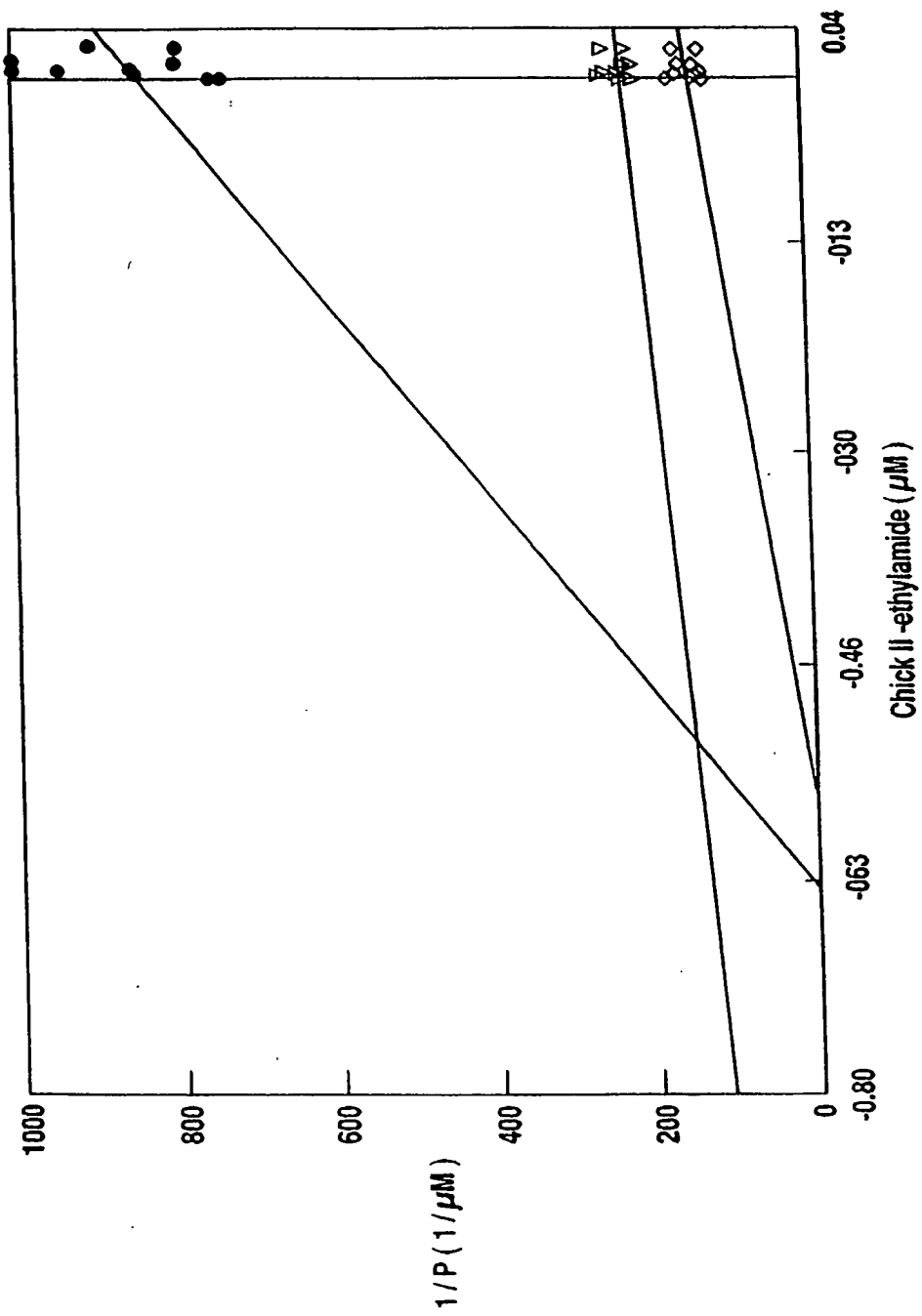


Fig. 3

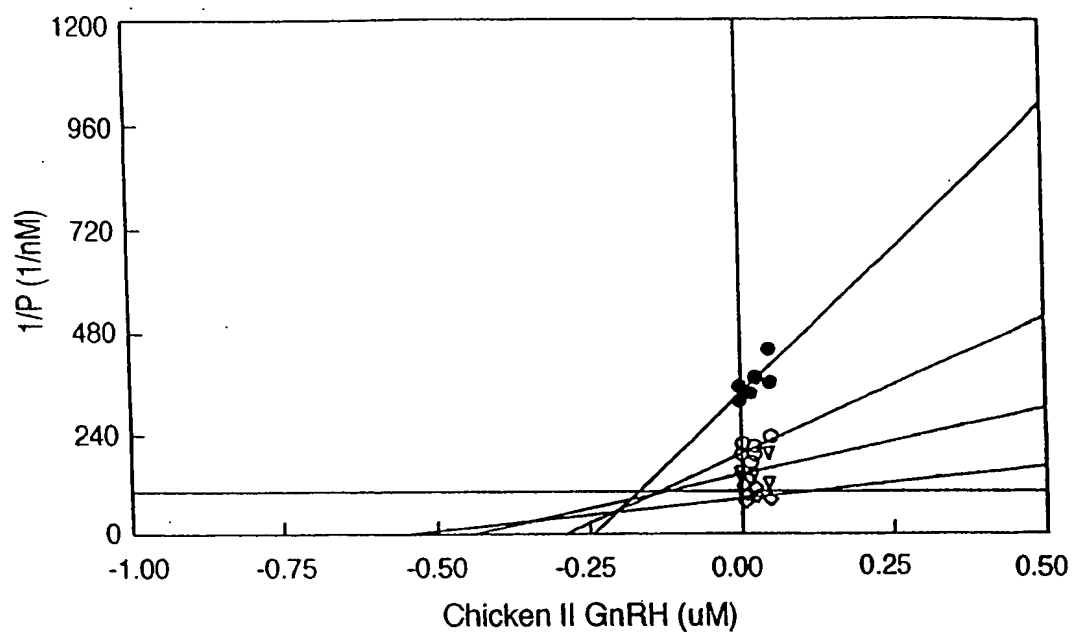


Fig. 4A

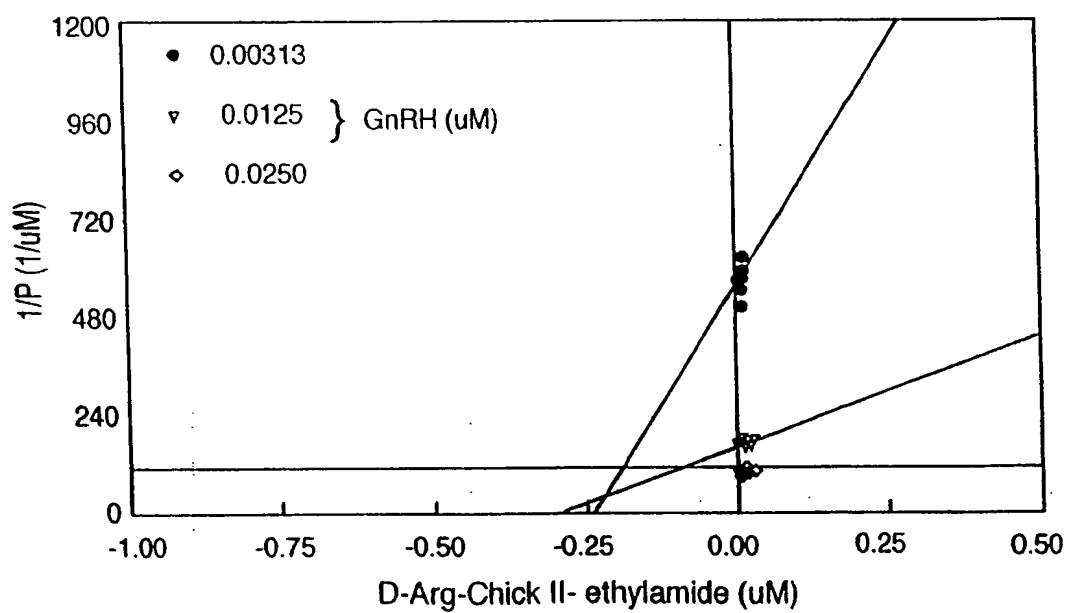


Fig. 4B

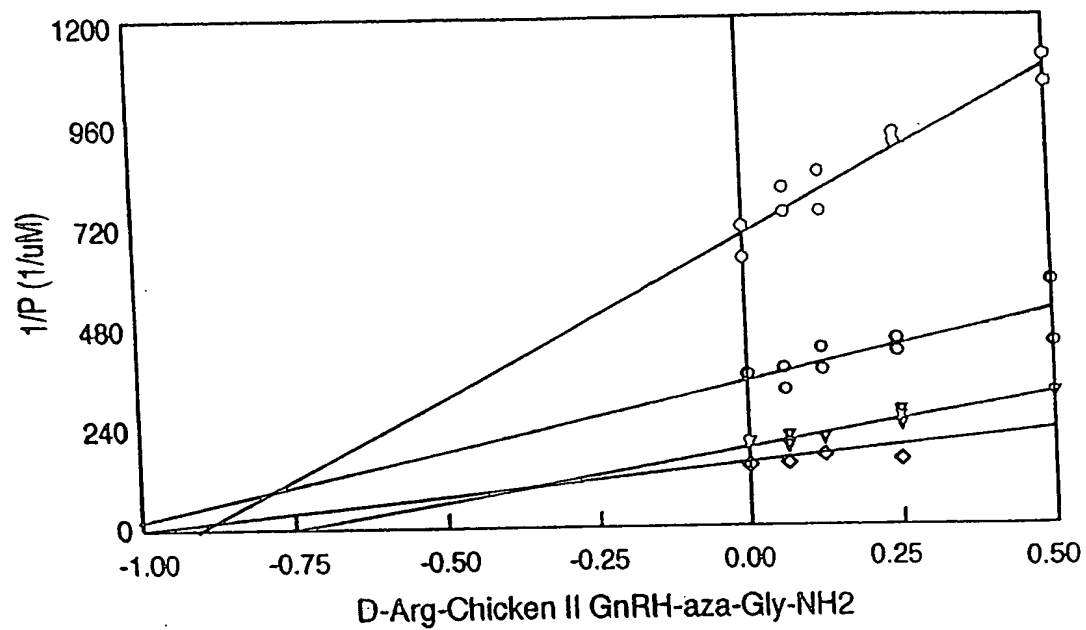


Fig. 4C

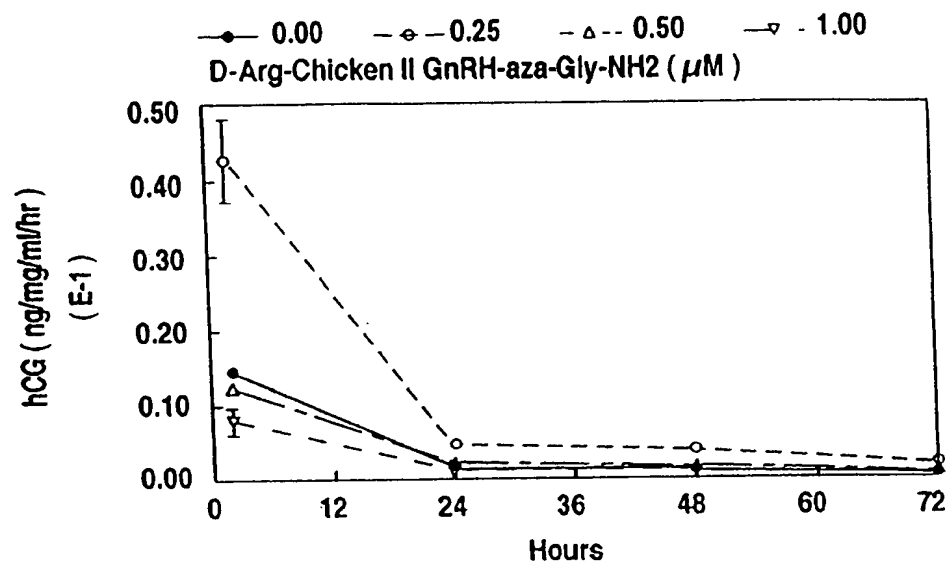


Fig. 5A

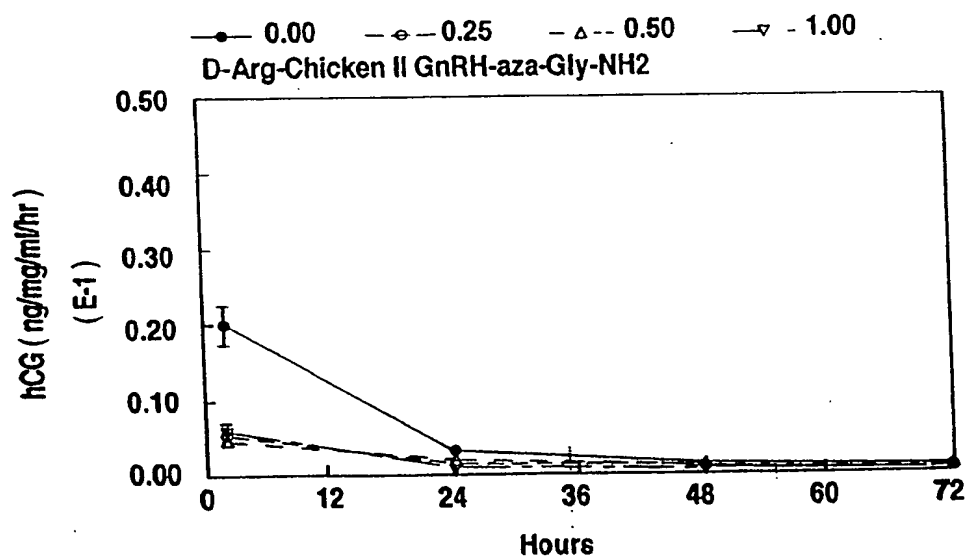


Fig. 5B

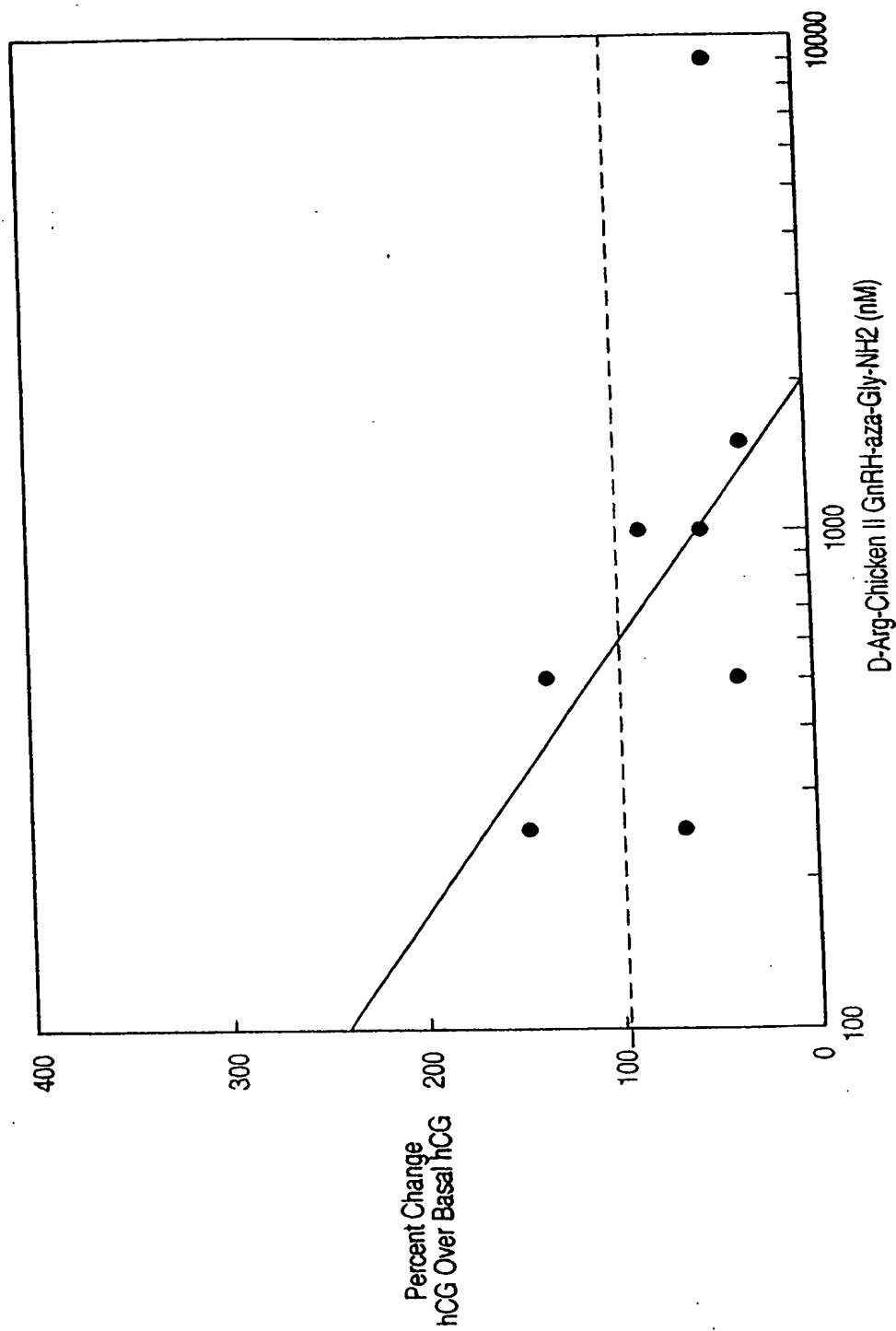


Fig. 6

hCG (percentage of basal release)		Analog (uM)				
Term placenta		0.250	0.500	1.000	1.500	9.000
PI 1	392		136	87		
PI 2	67		39	56		
PI 3	79		93		34	47
PI 4	147				34	47
Mean	171		89	72		
SEM	64		19	9		

Fig. 7

Progesterone (ng/mL/mg/h)		Analog (uM)				
Term placenta		0.000	0.250	0.500	1.000	9.000
PI 1	0.103		0.088	0.075	0.048	
PI 2	0.077		0.058	0.045	0.054	
PI 3	0.198		0.159	0.170	0.165	0.063
PI 4	0.081		0.081			0.063
Mean	0.115		0.097	0.097	0.089	
SEM	0.024		0.018	0.028	0.029	

Fig. 8

Term placenta	PGE ₂ (pg/mL/mg/h)			
	Analog (uM)			
	0.000	0.250	0.500	1.000
PI 1	8.300	3.100	4.600	5.500
PI 2	4.685	3.430	5.631	6.308
PI 3	9.200	11.500	15.300	
Mean	7.395	6.010	8.510	5.904
SEM	1.043	2.113	2.613	0.233

Fig. 9A

Term placenta	PGE ₂ (pg/mL/mg/h)			
	Analog (uM)			
	0.000	0.250	0.500	1.000
PI 1	5.800	6.000	3.200	2.500
PI 2	34.000	14.400	16.800	16.800
PI 3	54.700	31.400	42.500	46.600
Mean	31.500	17.267	20.833	21.967
SEM	9.892	5.440	8.340	9.481

Fig. 9B

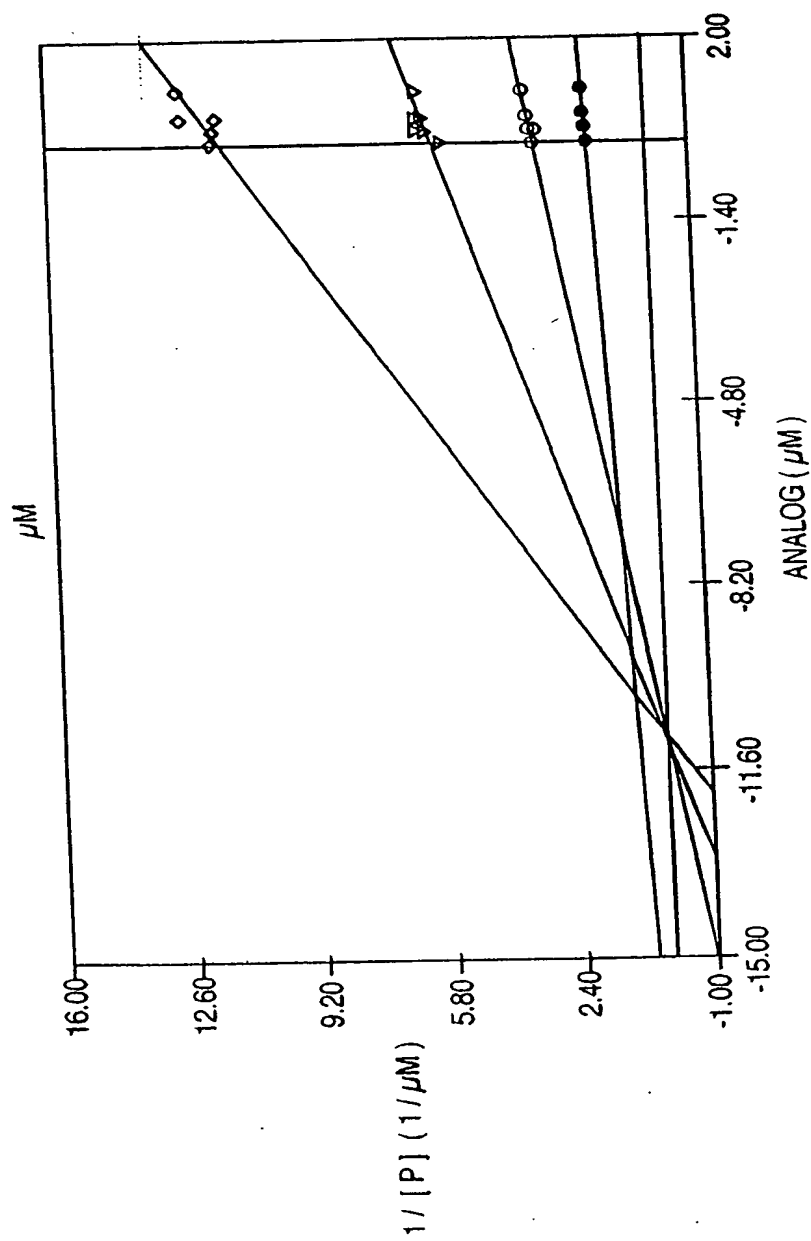


Fig. 10

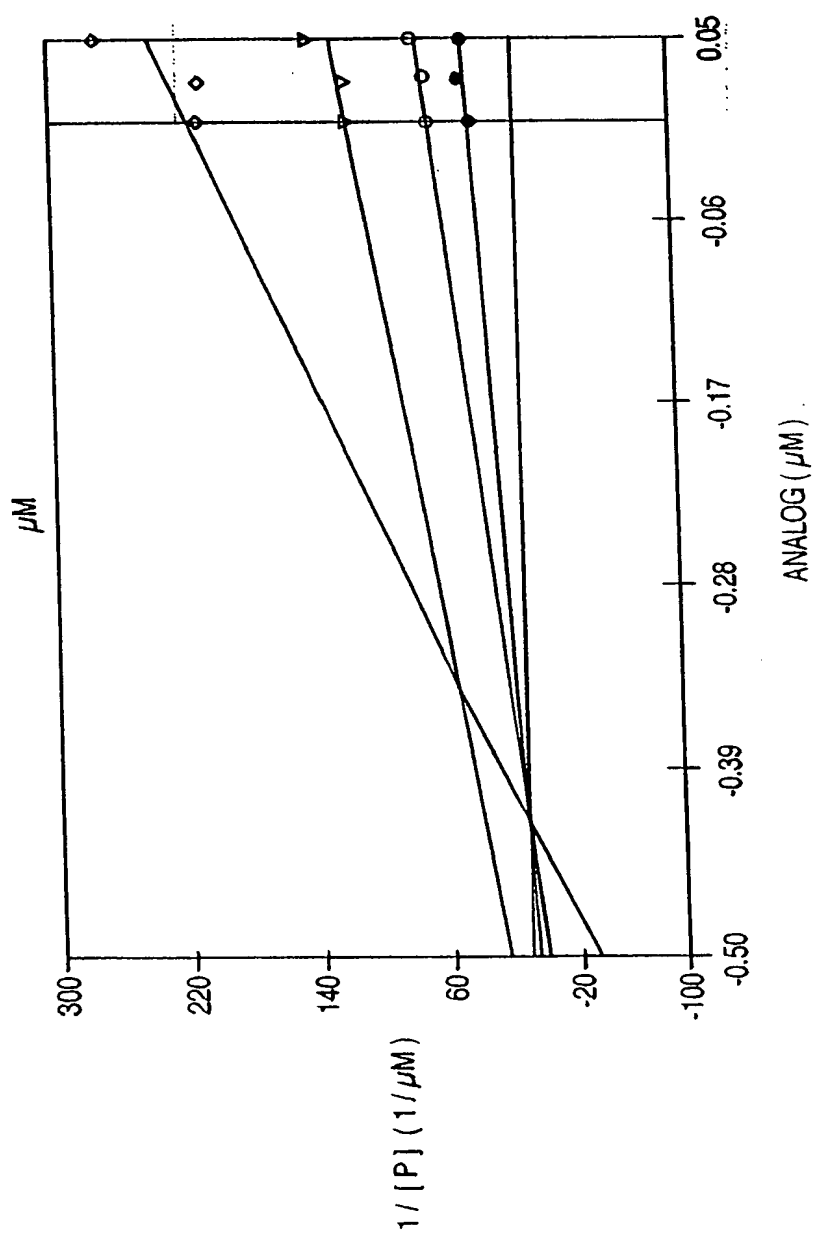


Fig. 11

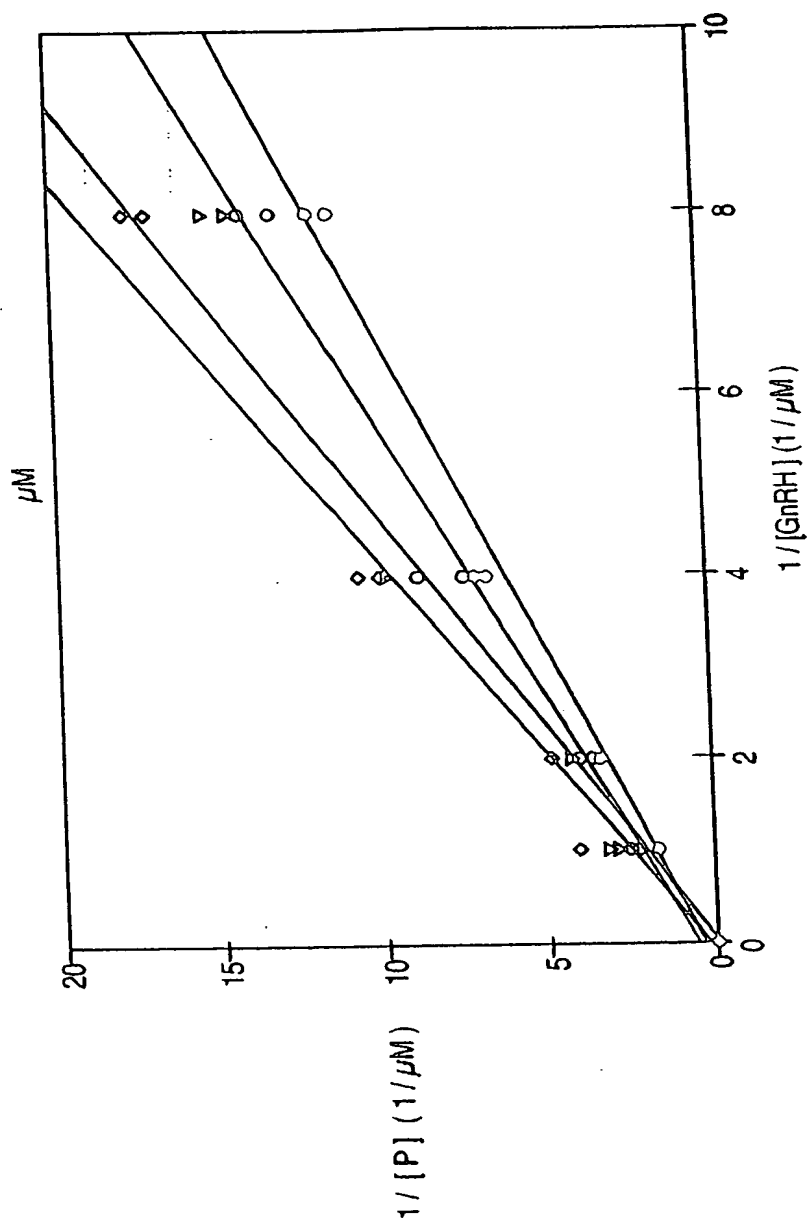


Fig. 12A

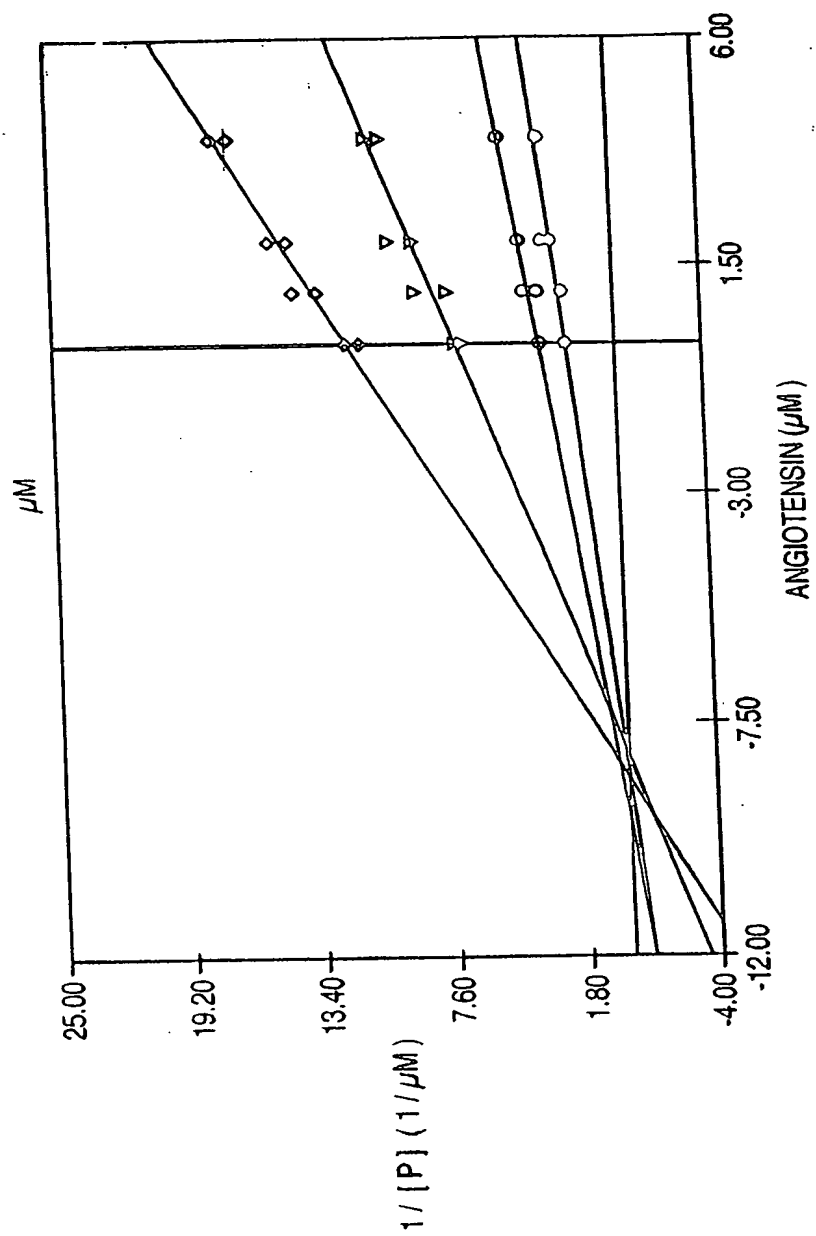


Fig. 12B

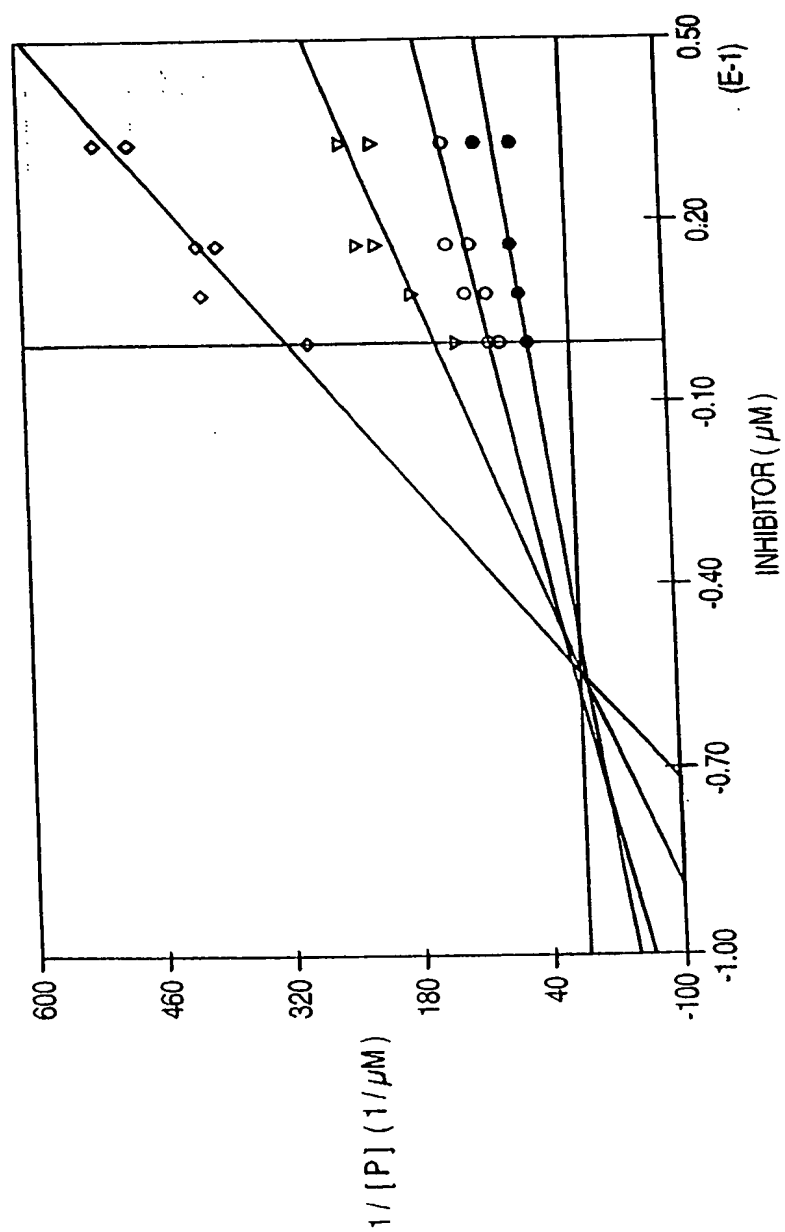


Fig. 13

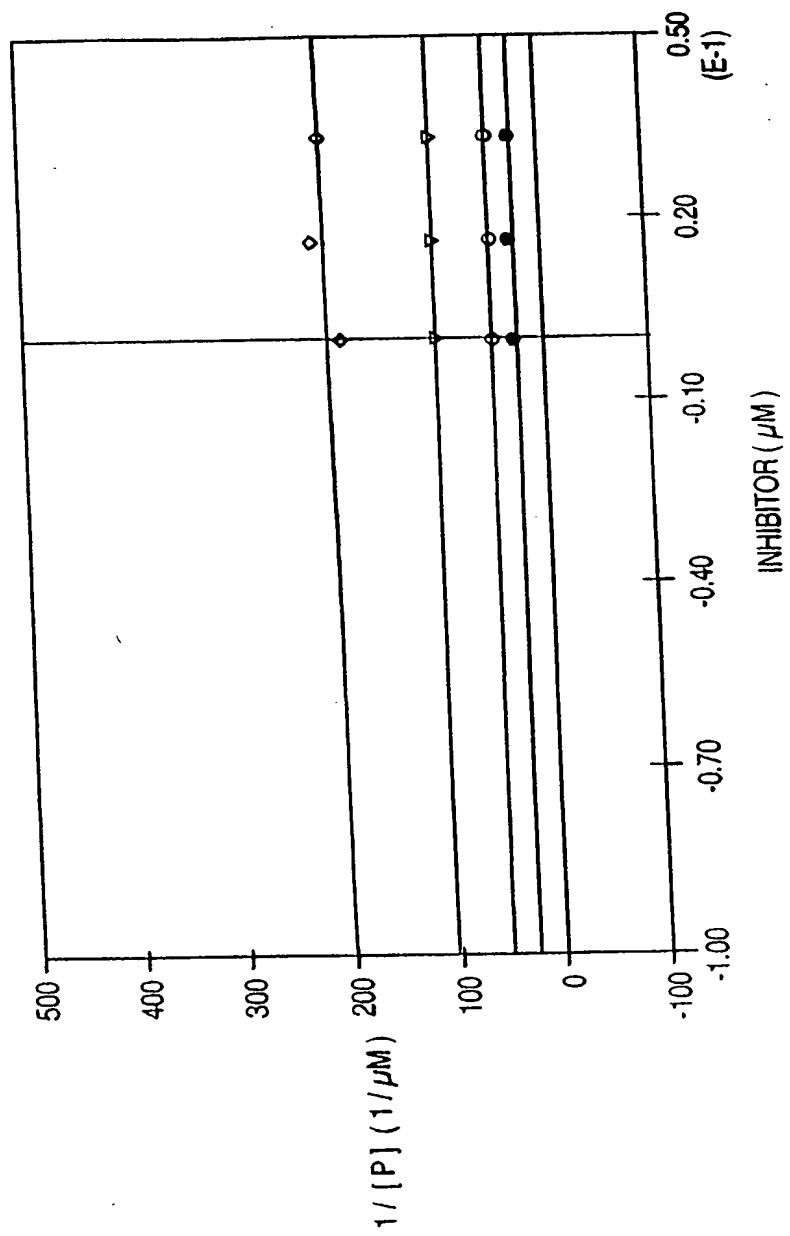


Fig. 14

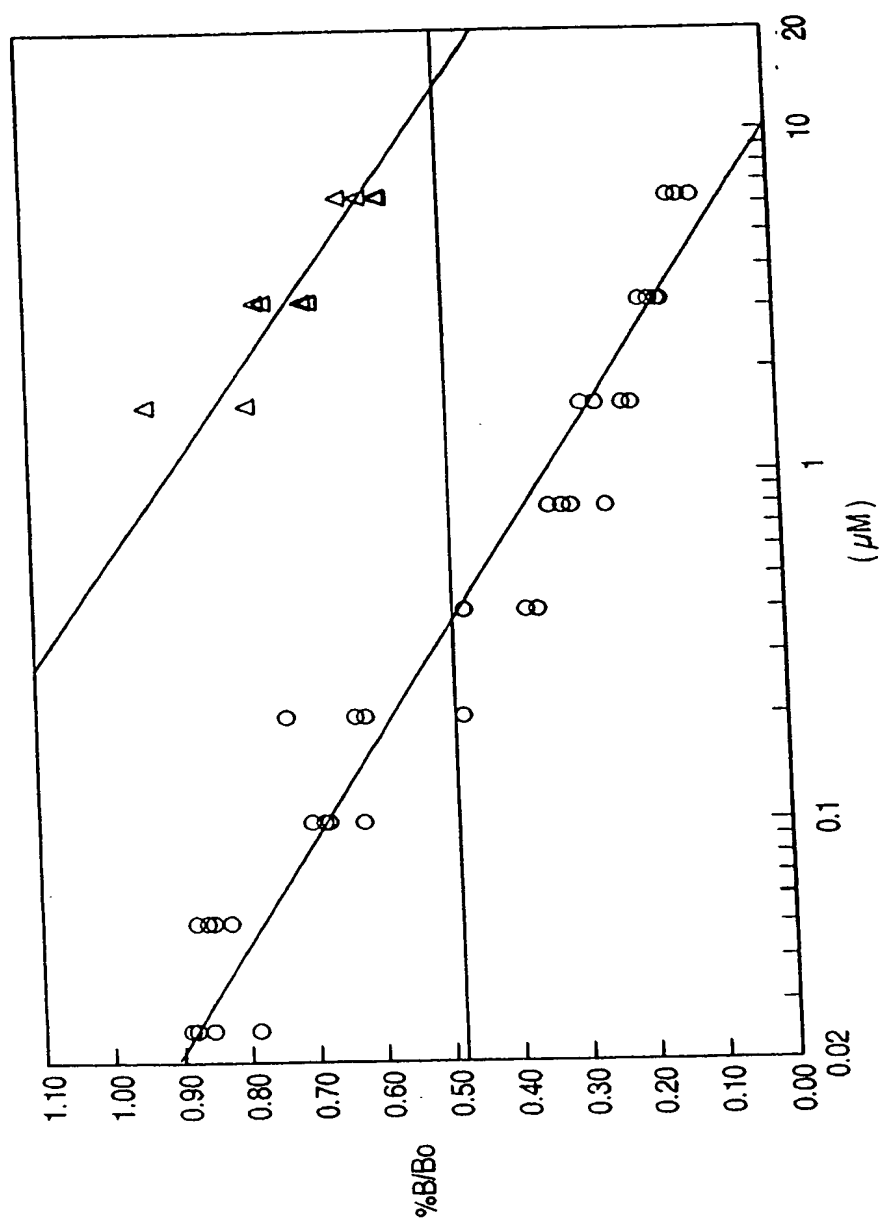


Fig. 15

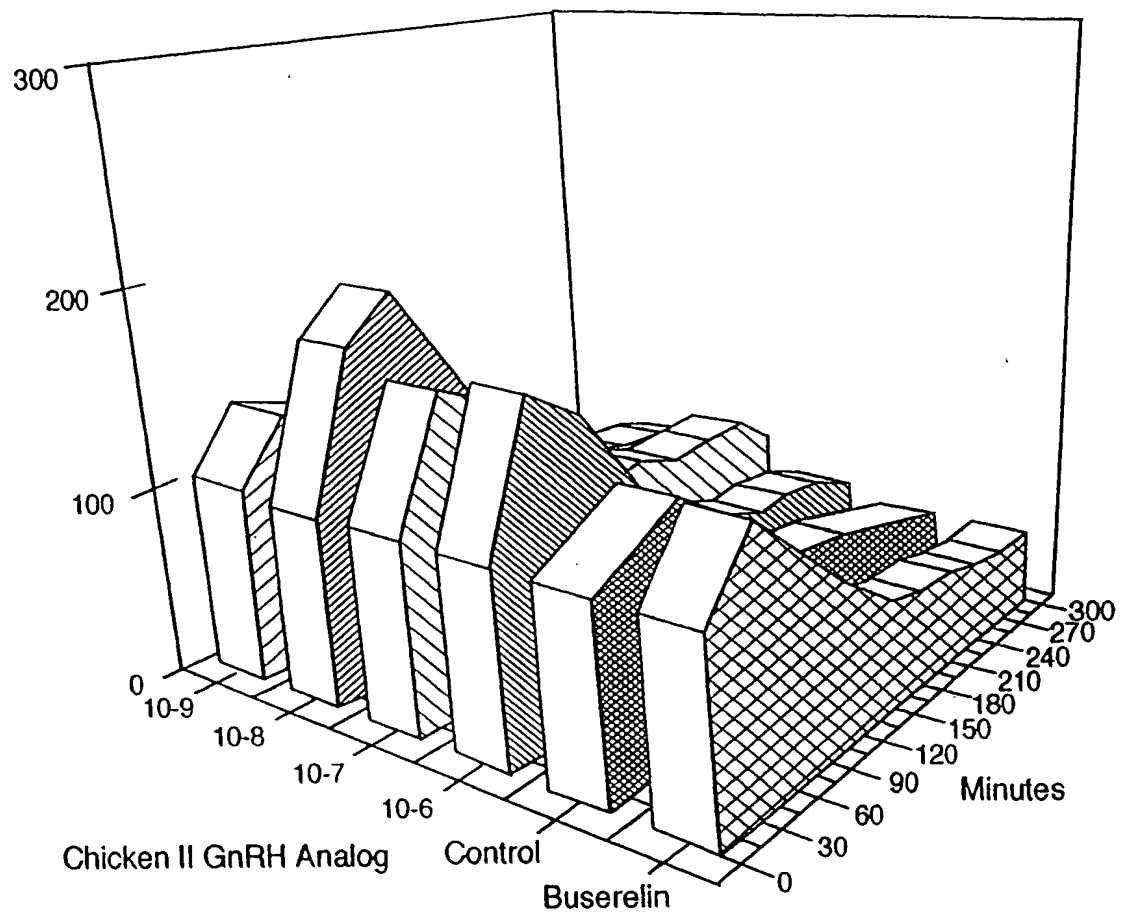


Fig. 16

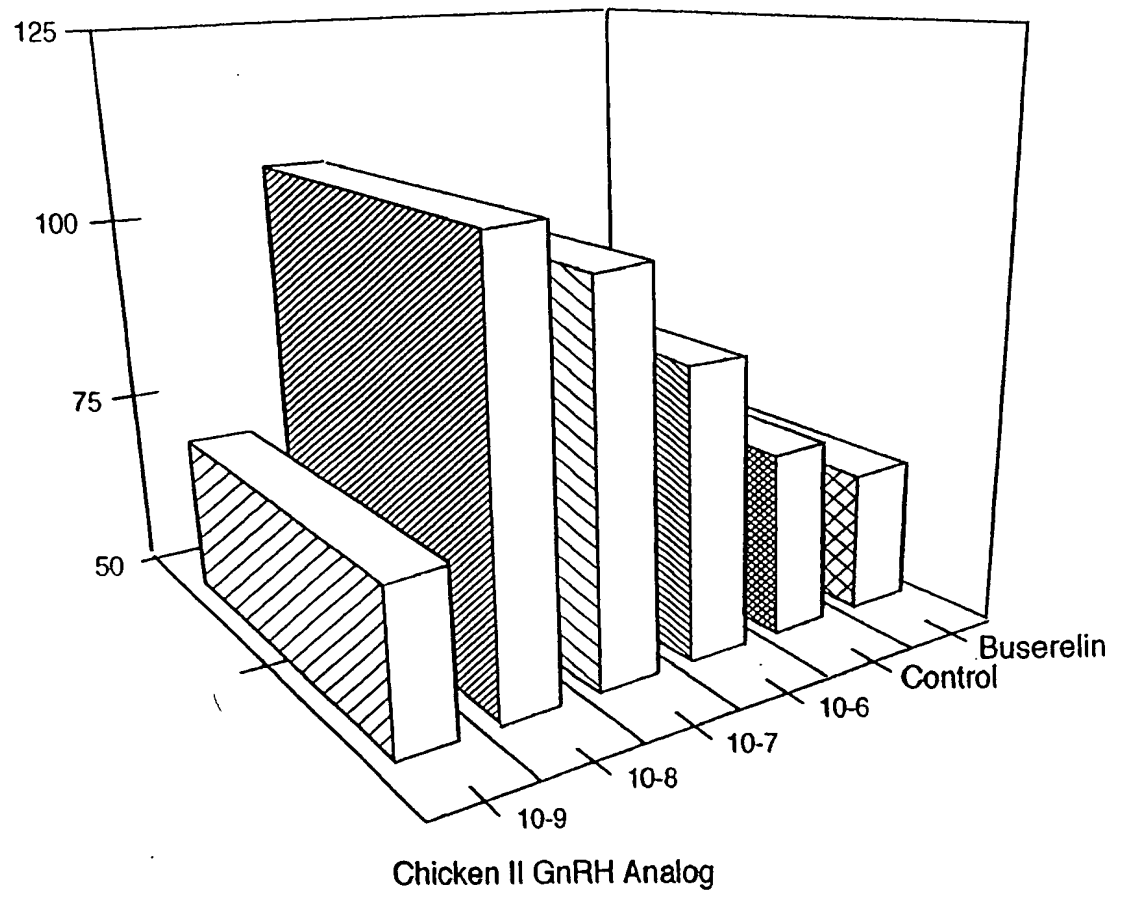


Fig. 17

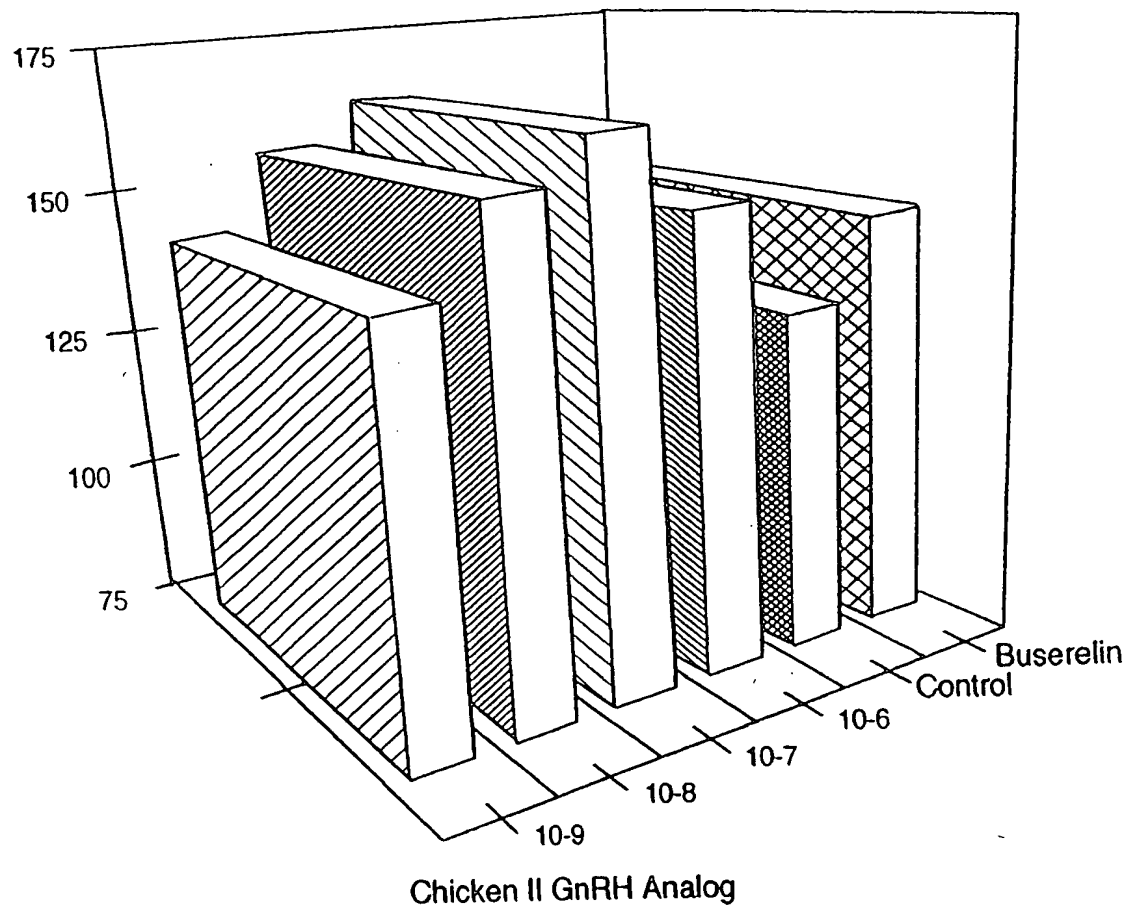


Fig. 19

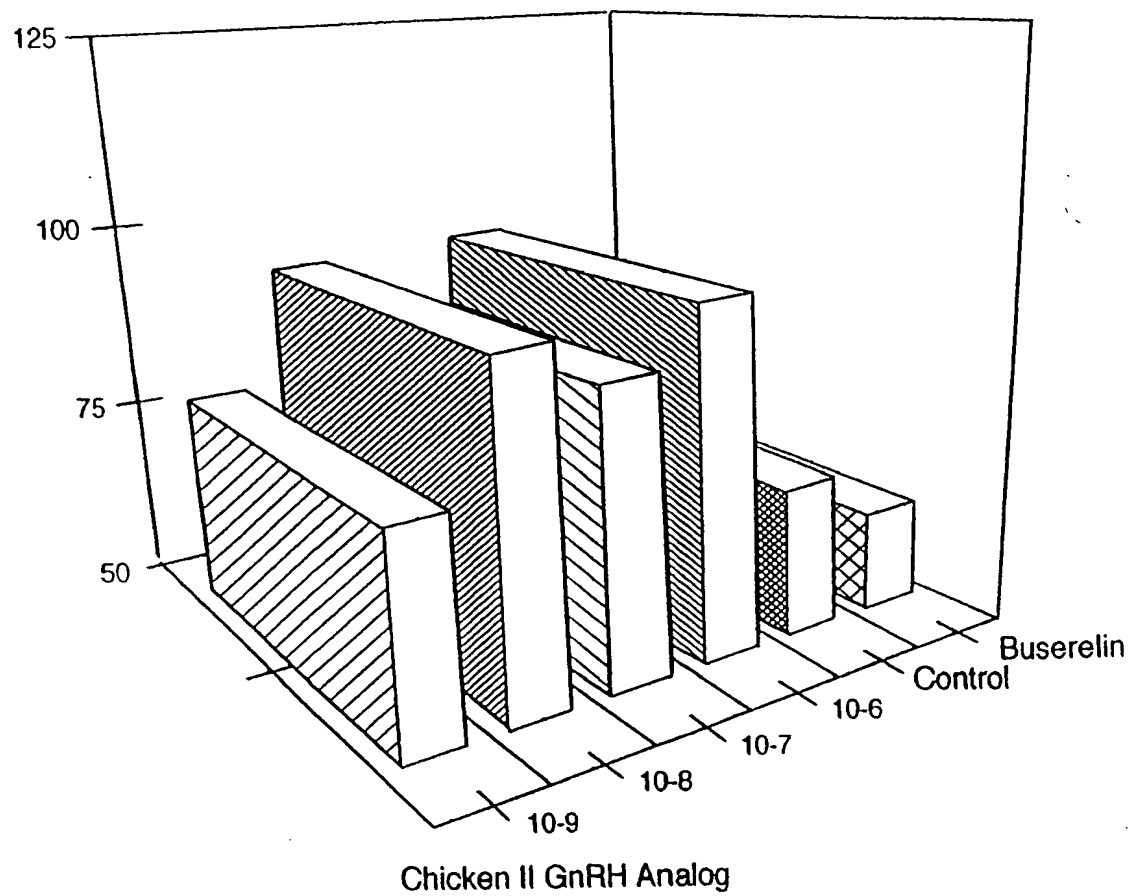


Fig. 20

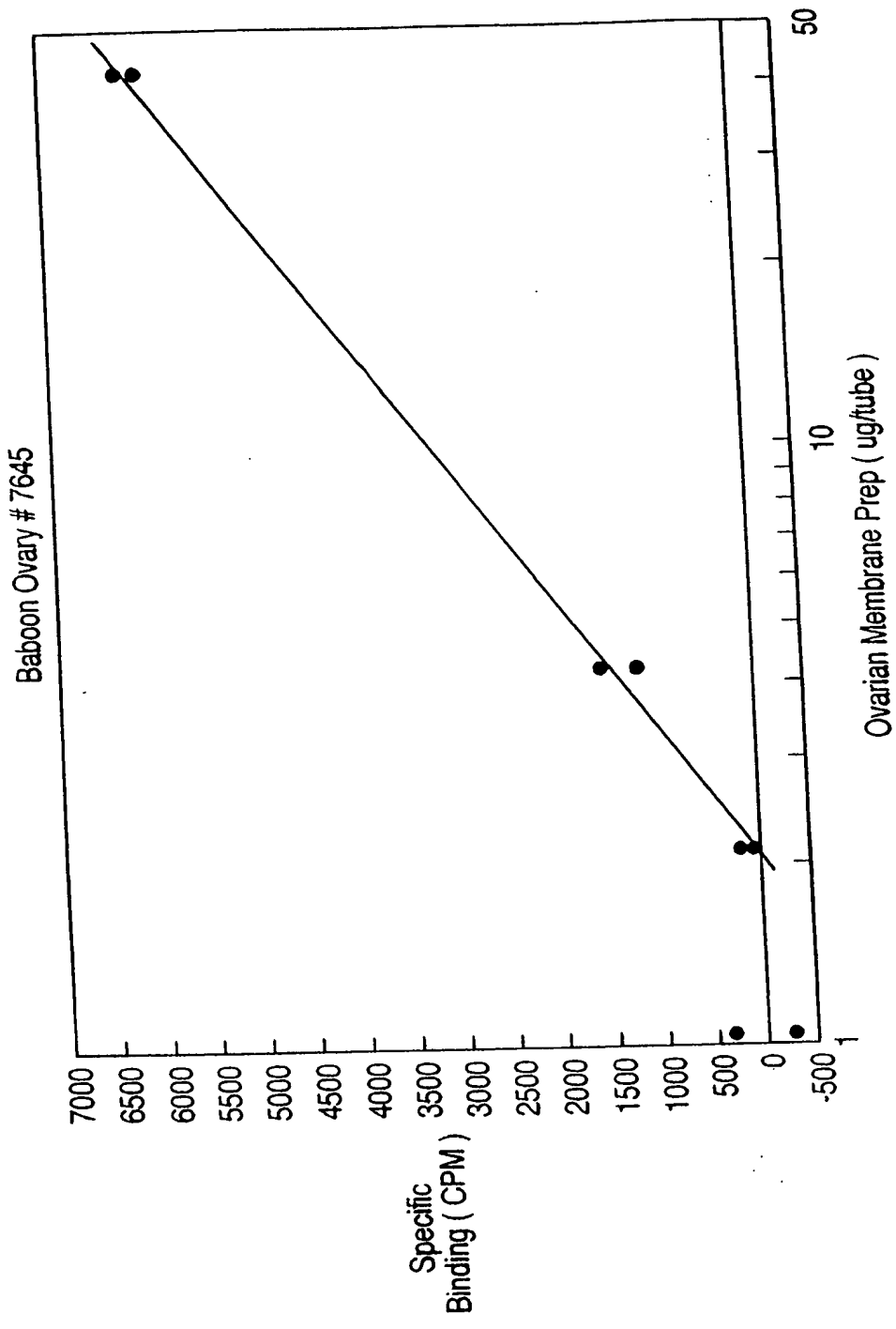


Fig. 21

Baboon Ovary # 7645

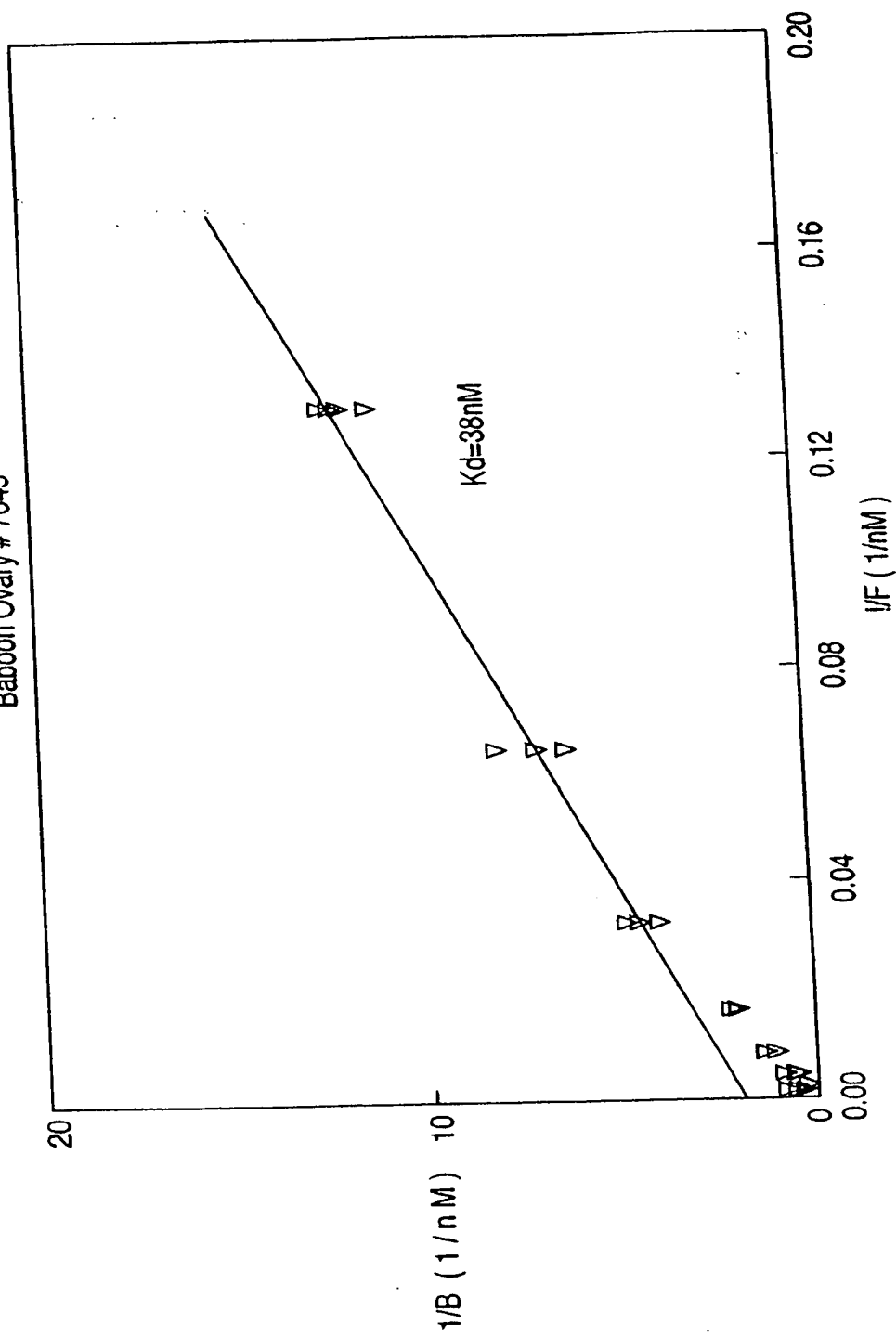


Fig. 22

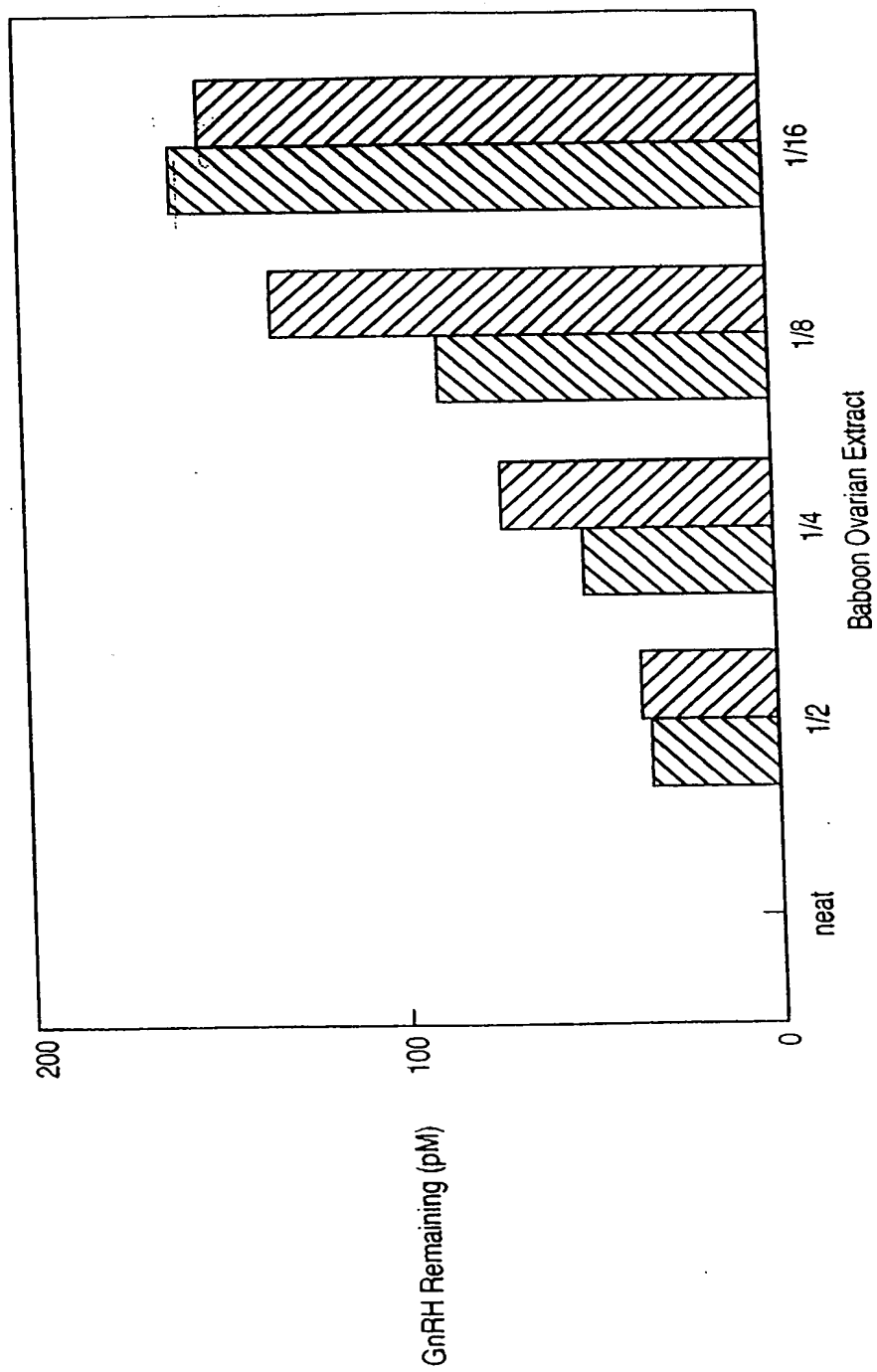


Fig. 23

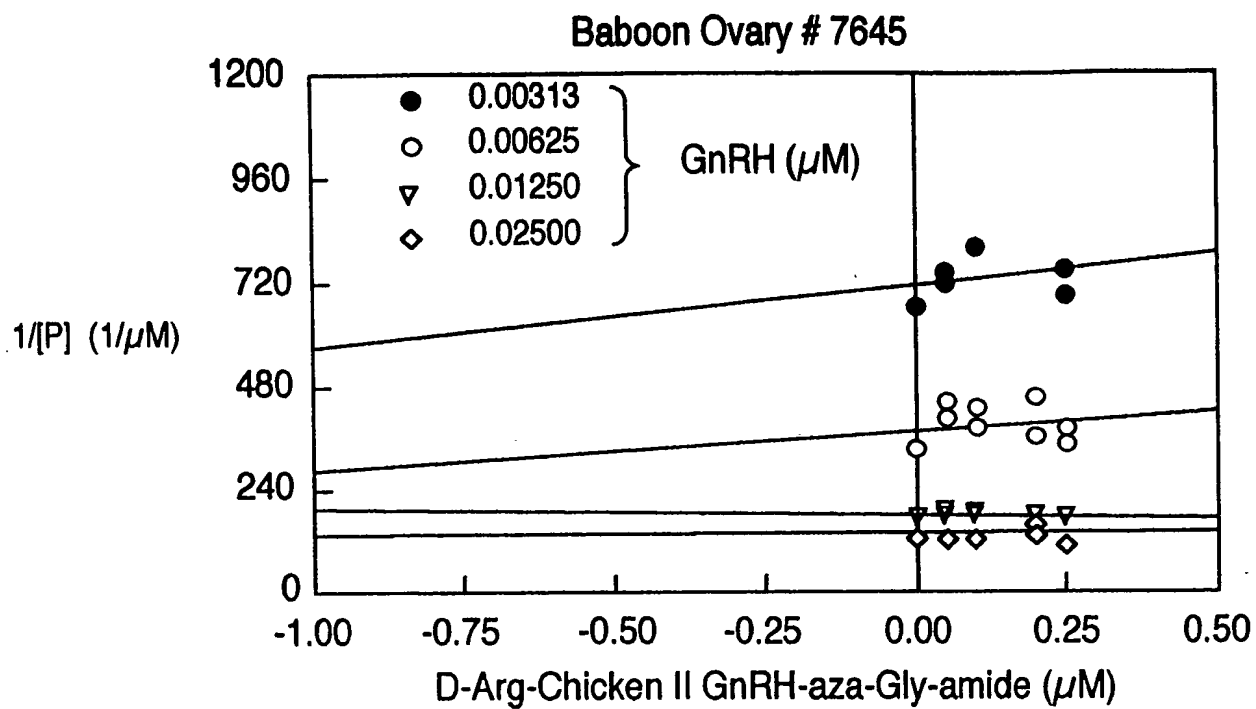


Fig. 24A

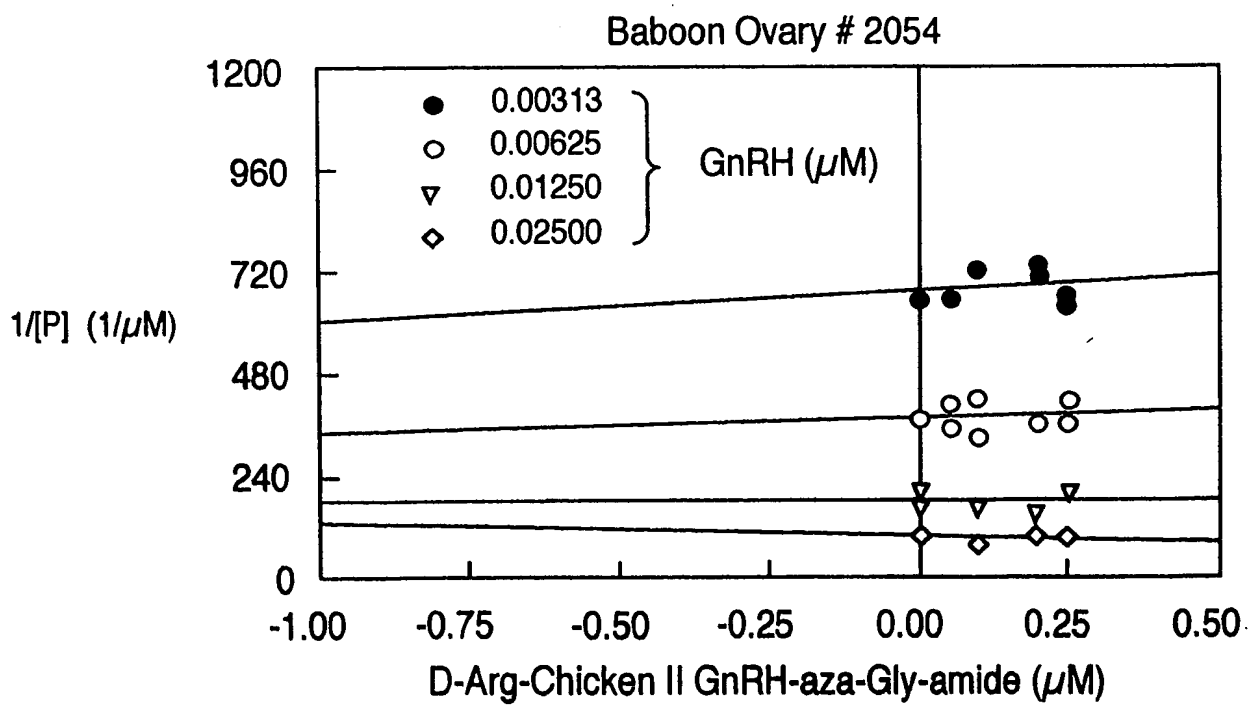


Fig. 24B

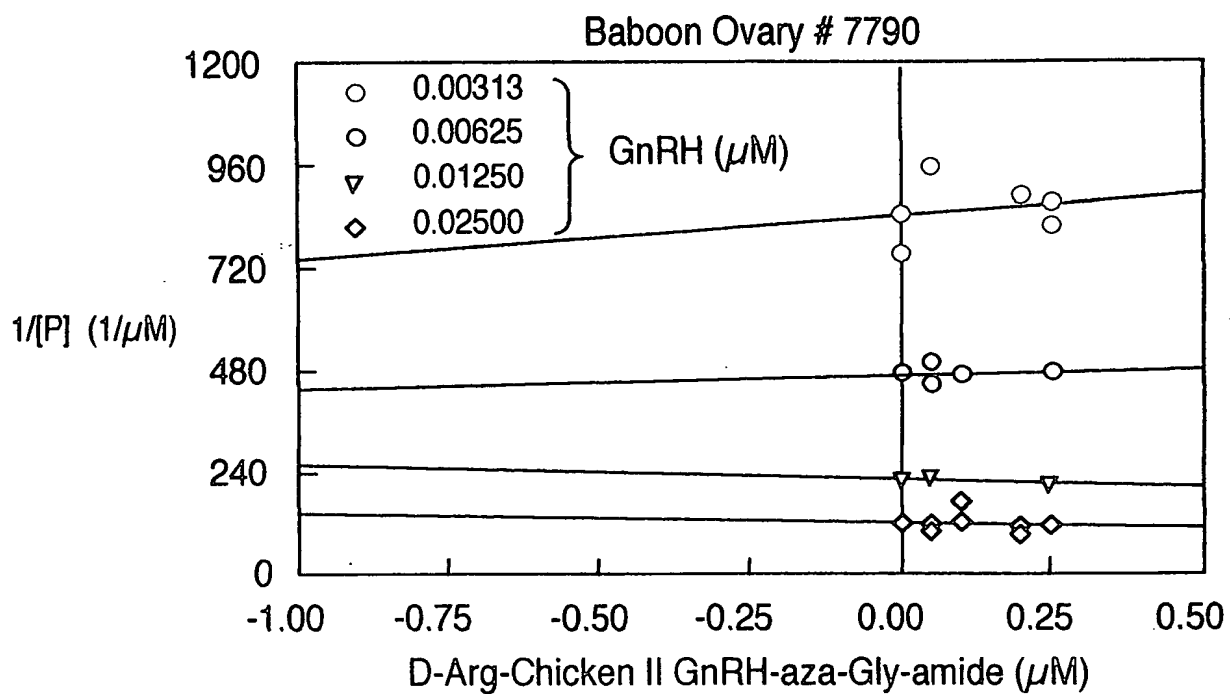


Fig. 24C

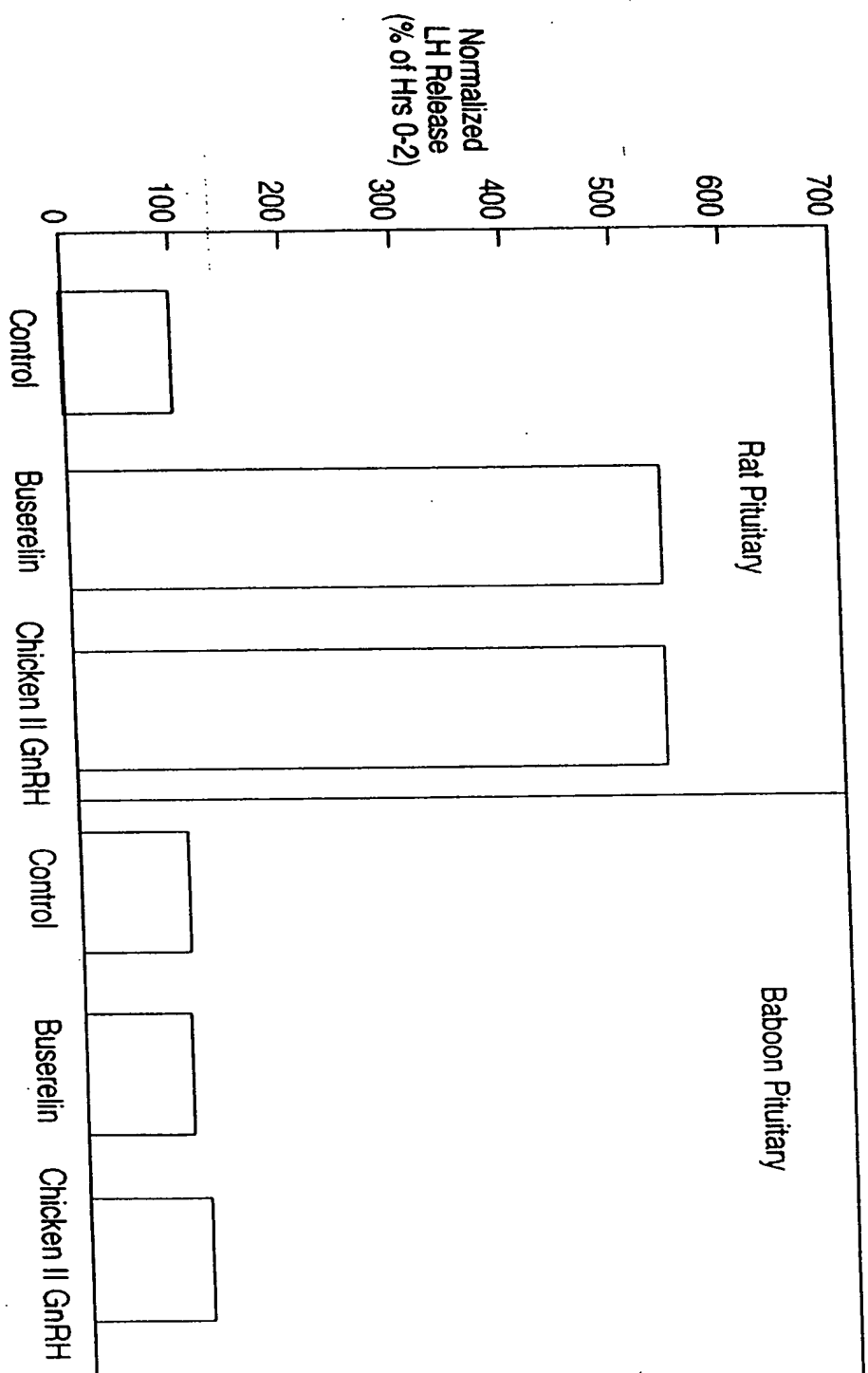


Fig. 25

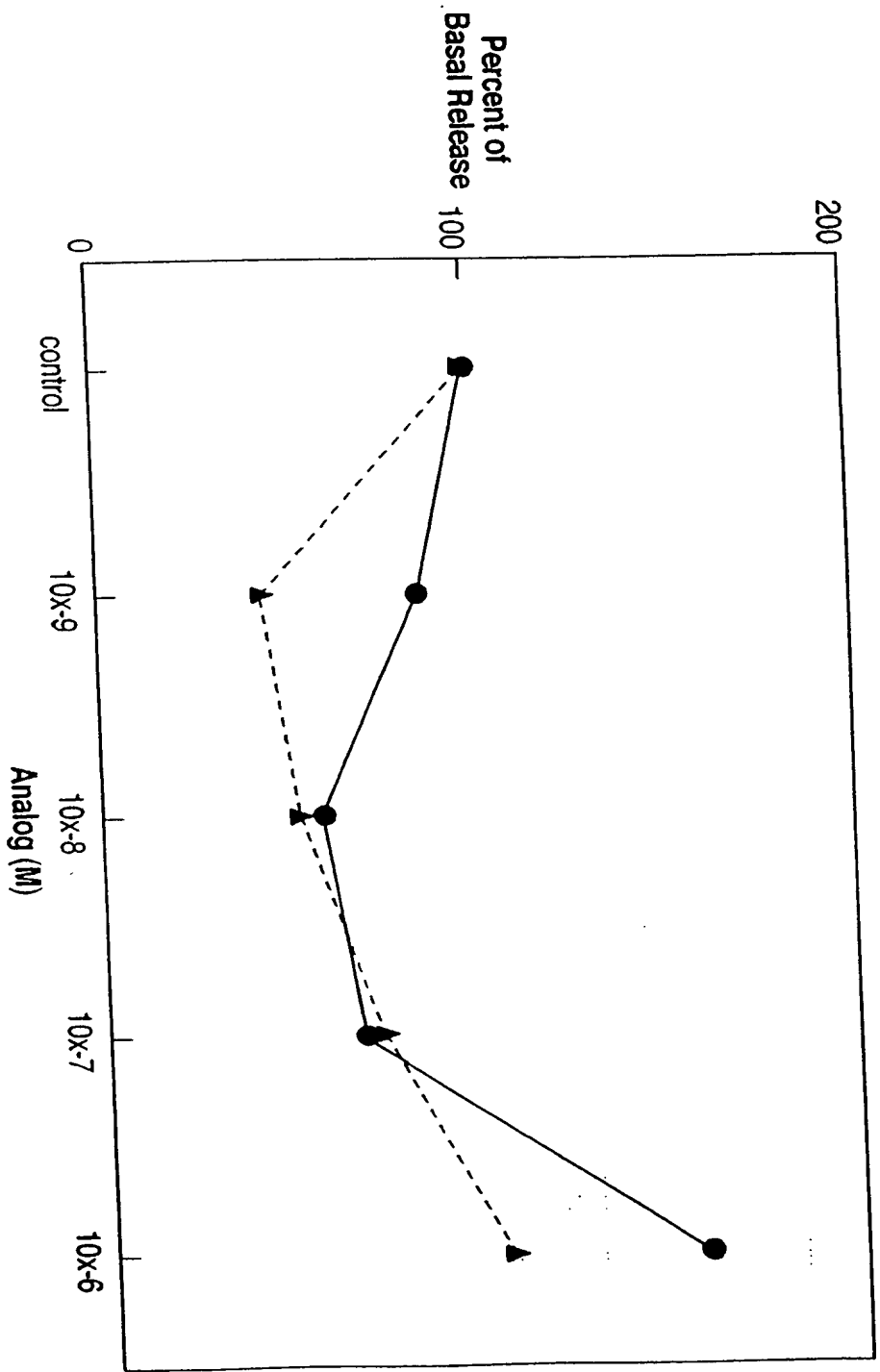


Fig. 26

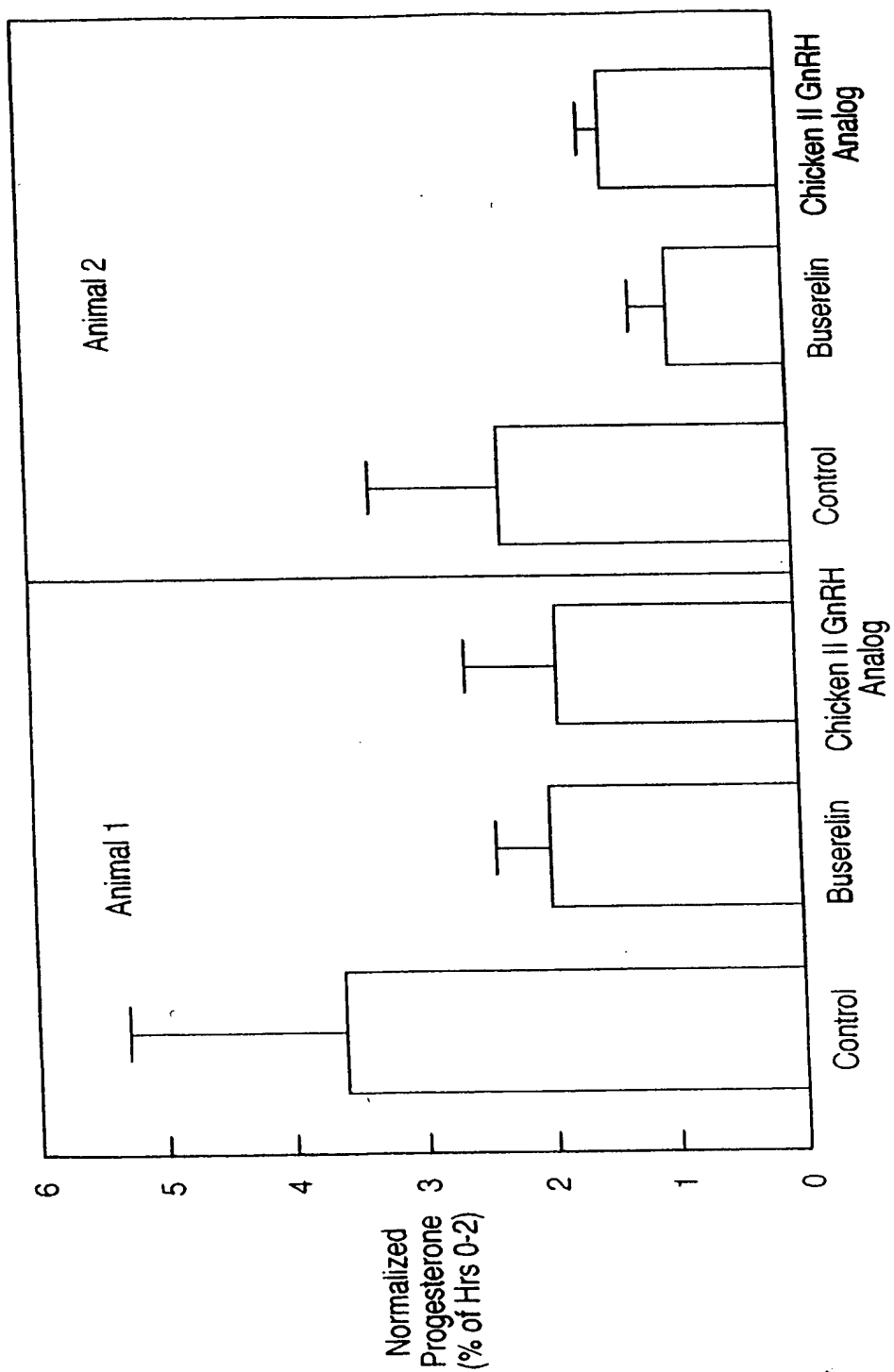


Fig. 27

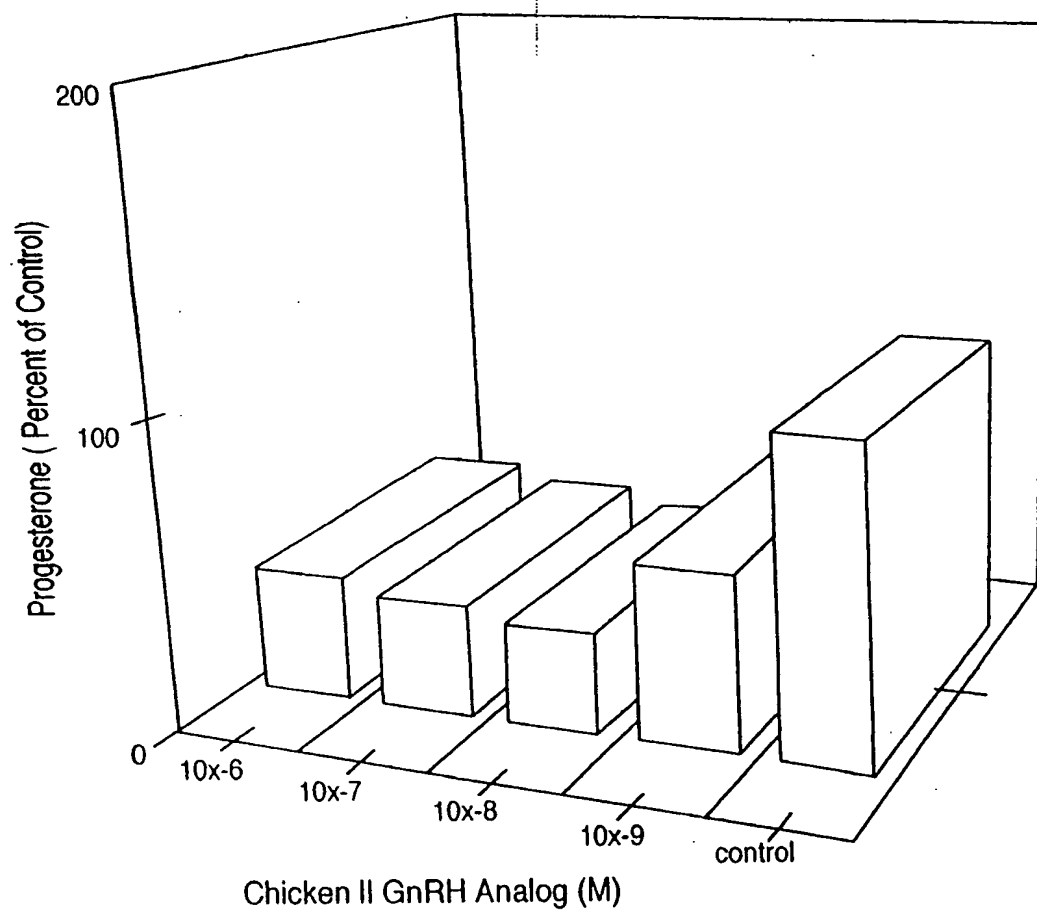


Fig. 28

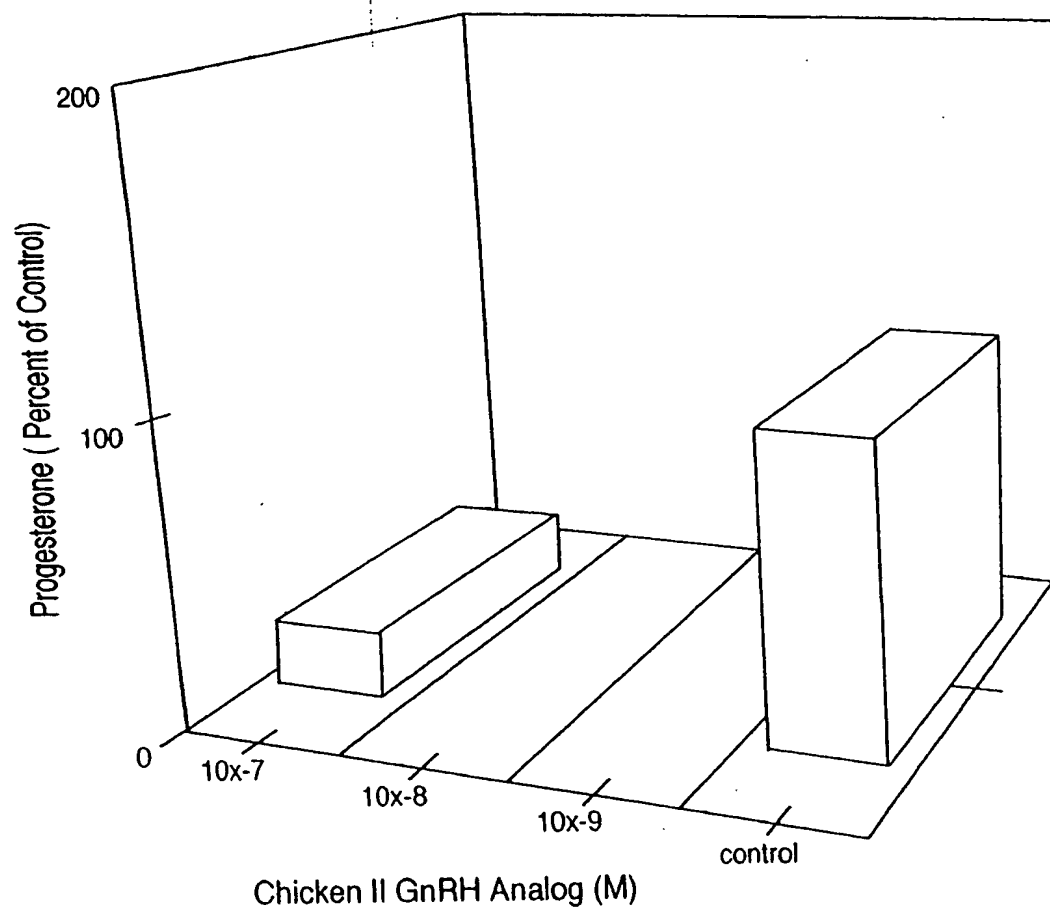


Fig. 29

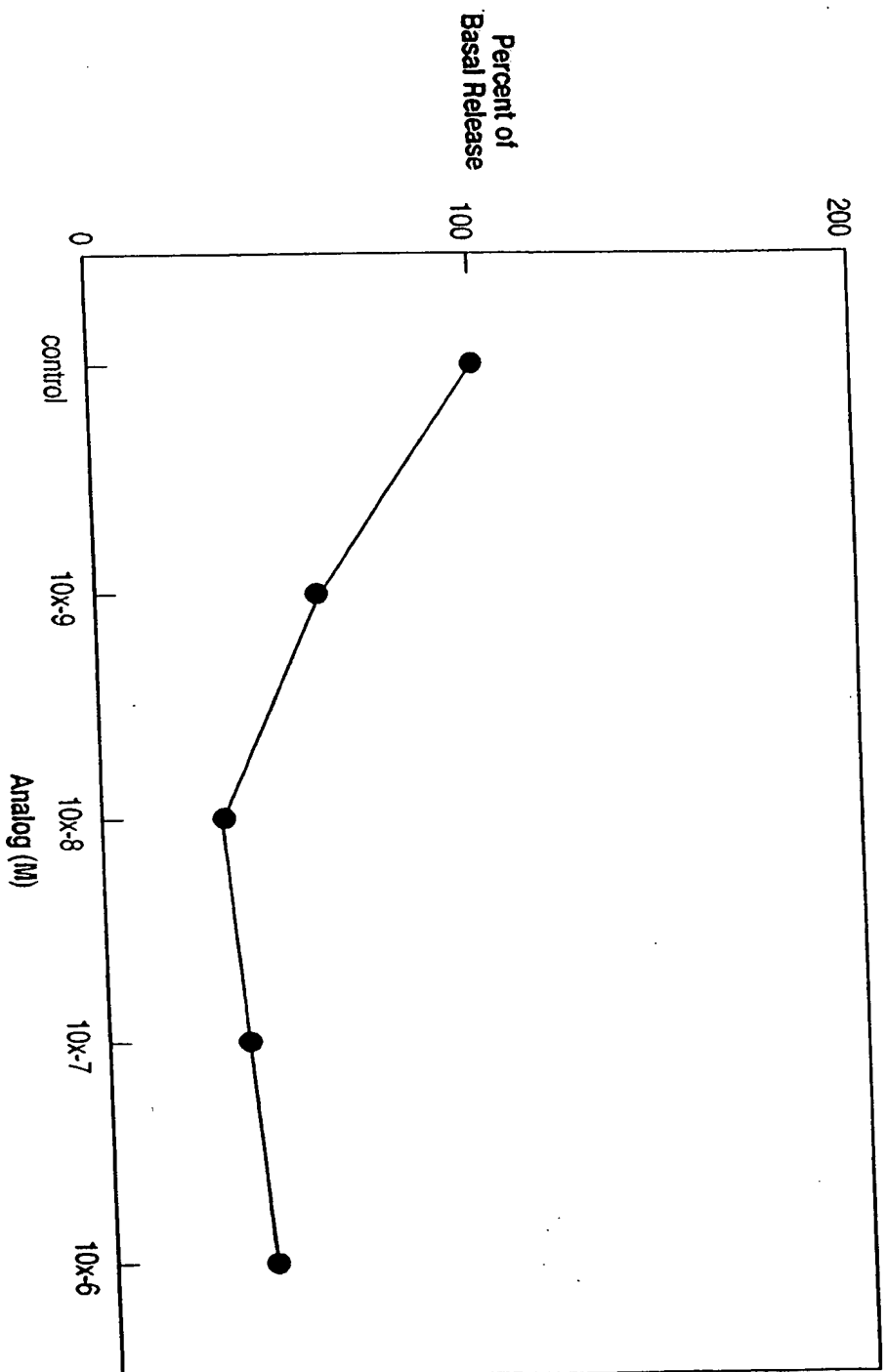


Fig. 30

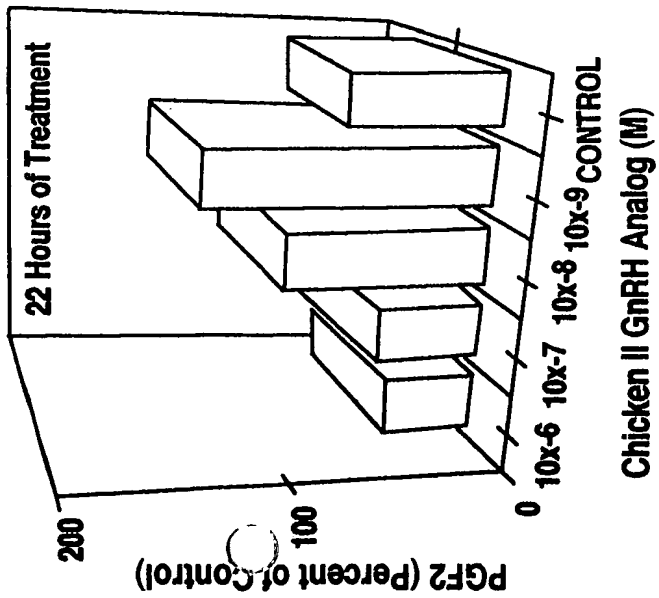


Fig. 31A

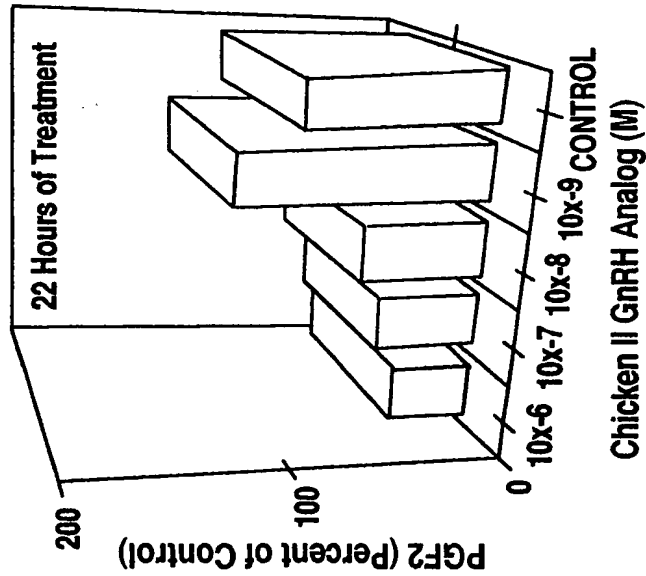


Fig. 31B

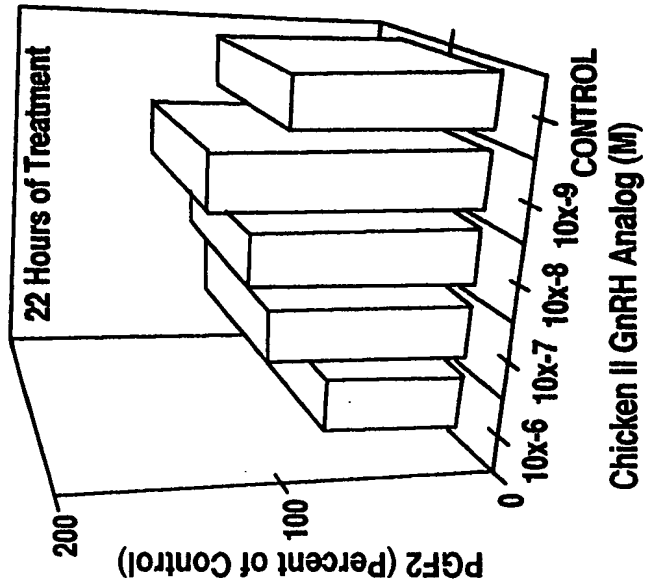


Fig. 31C

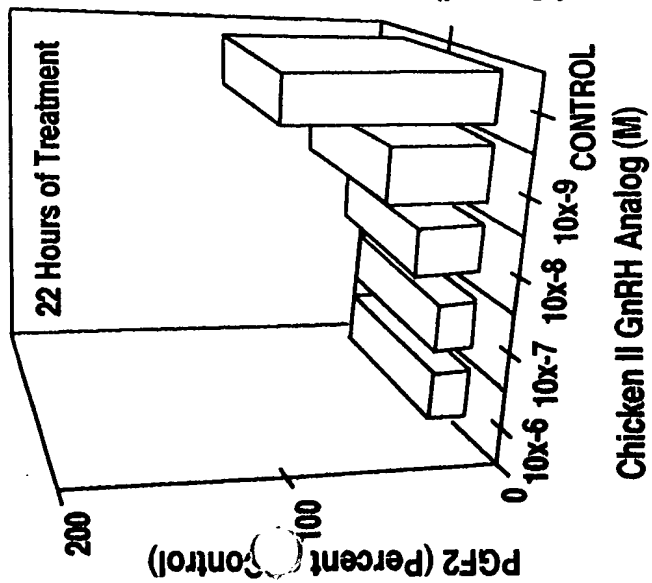


Fig. 31D

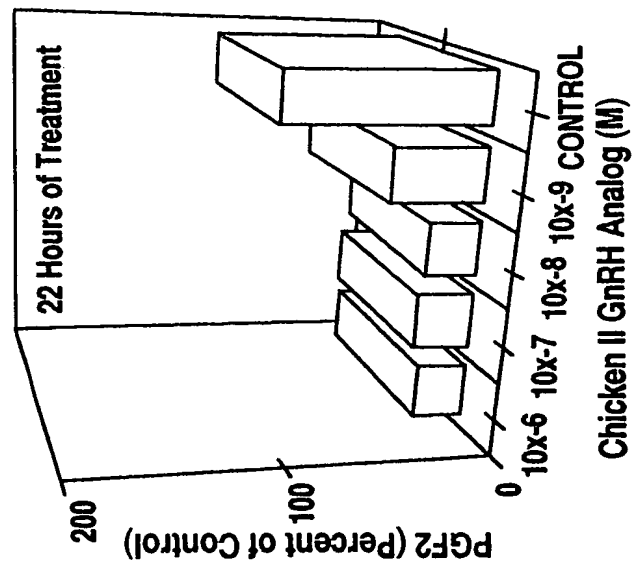


Fig. 31E

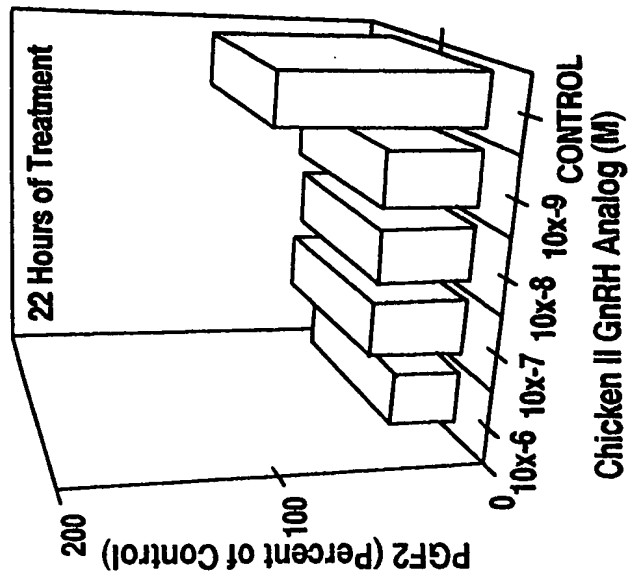


Fig. 31F

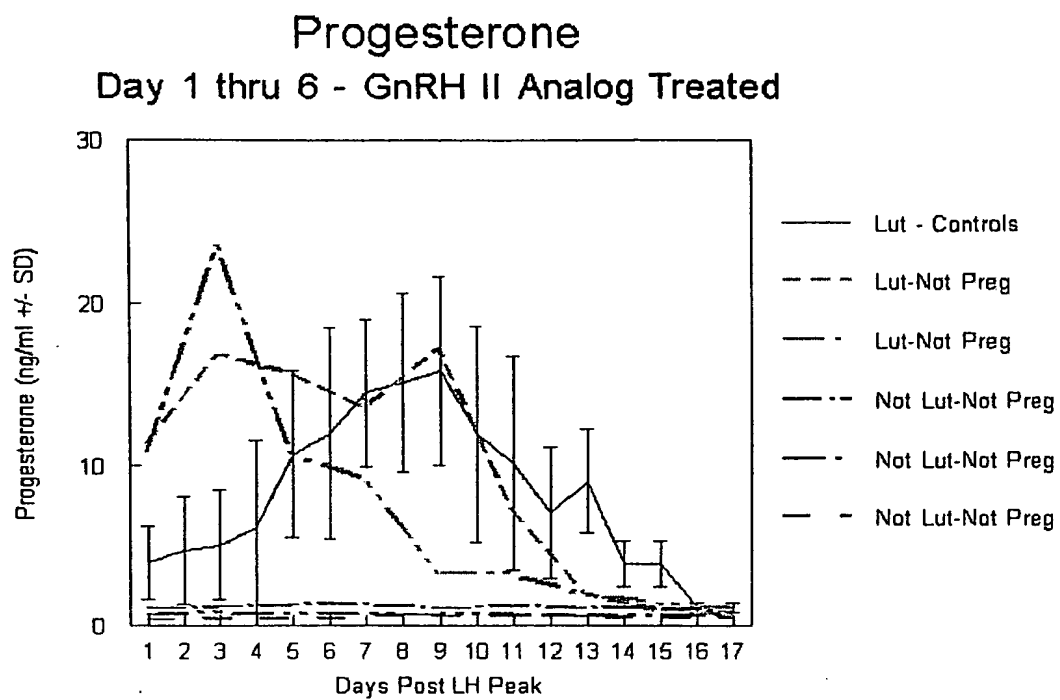


Figure 32

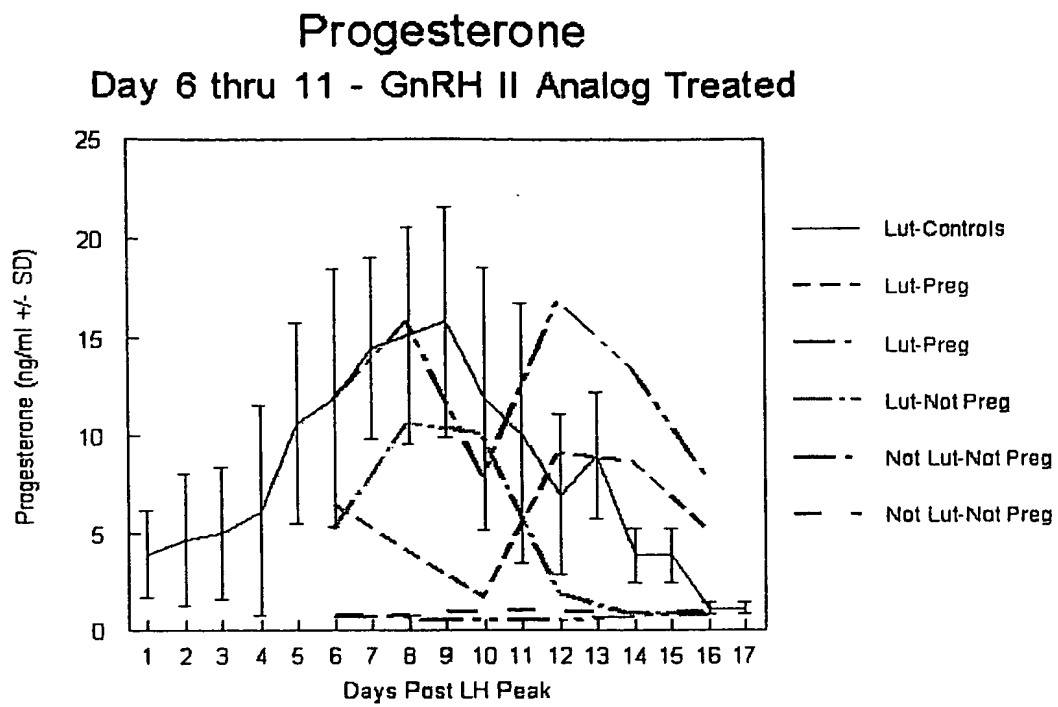


Figure 33

Progesterone

Day 11 thru 16 - GnRH II Analog Treated

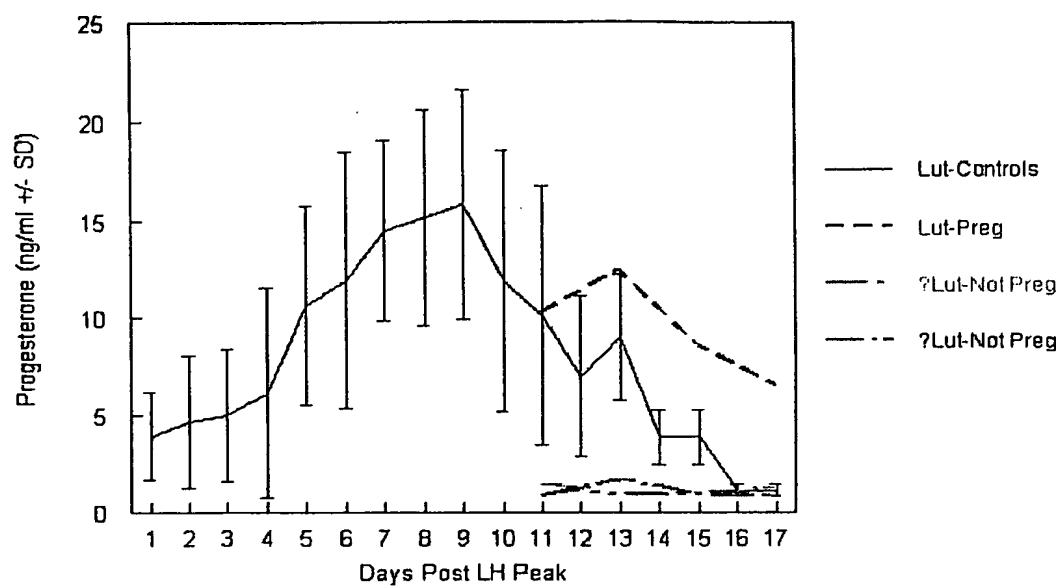


Figure 34

Progesterone

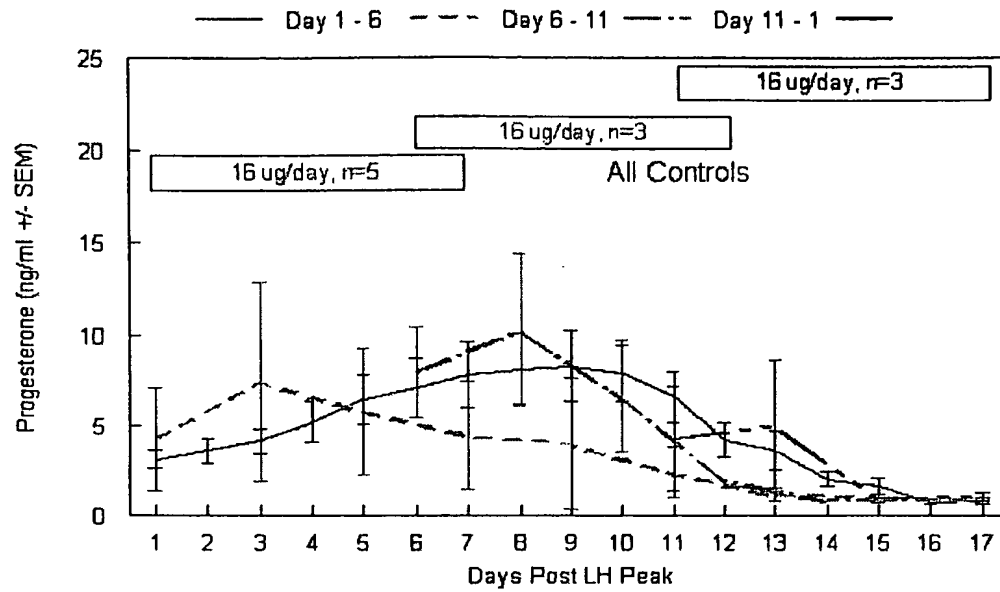


Figure 35

Chicken II GnRH in Human Seminal Vesicle



Figure 36

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Chicken II GnRH in Human Epididymis



Figure 37

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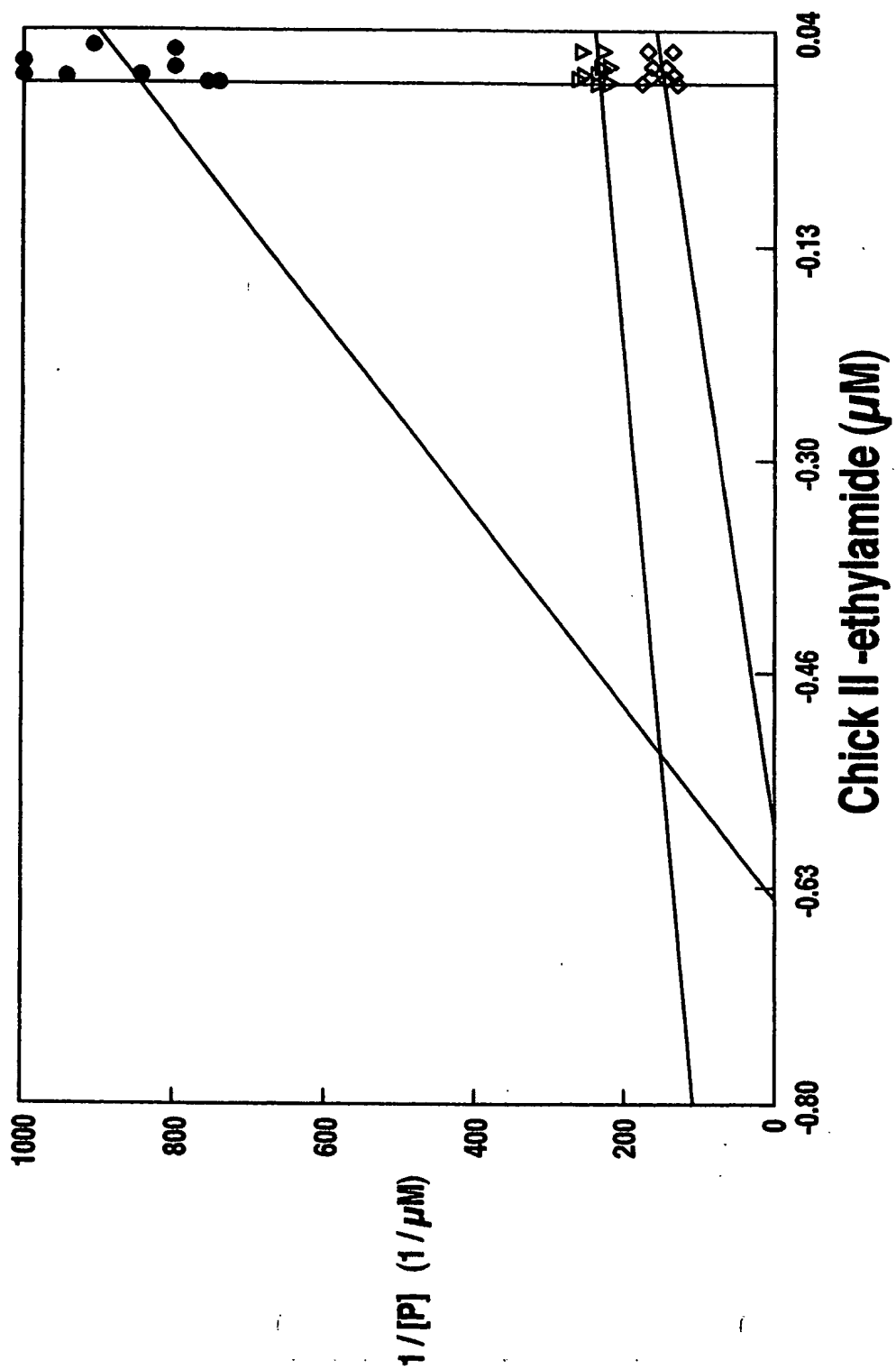


FIGURE 38

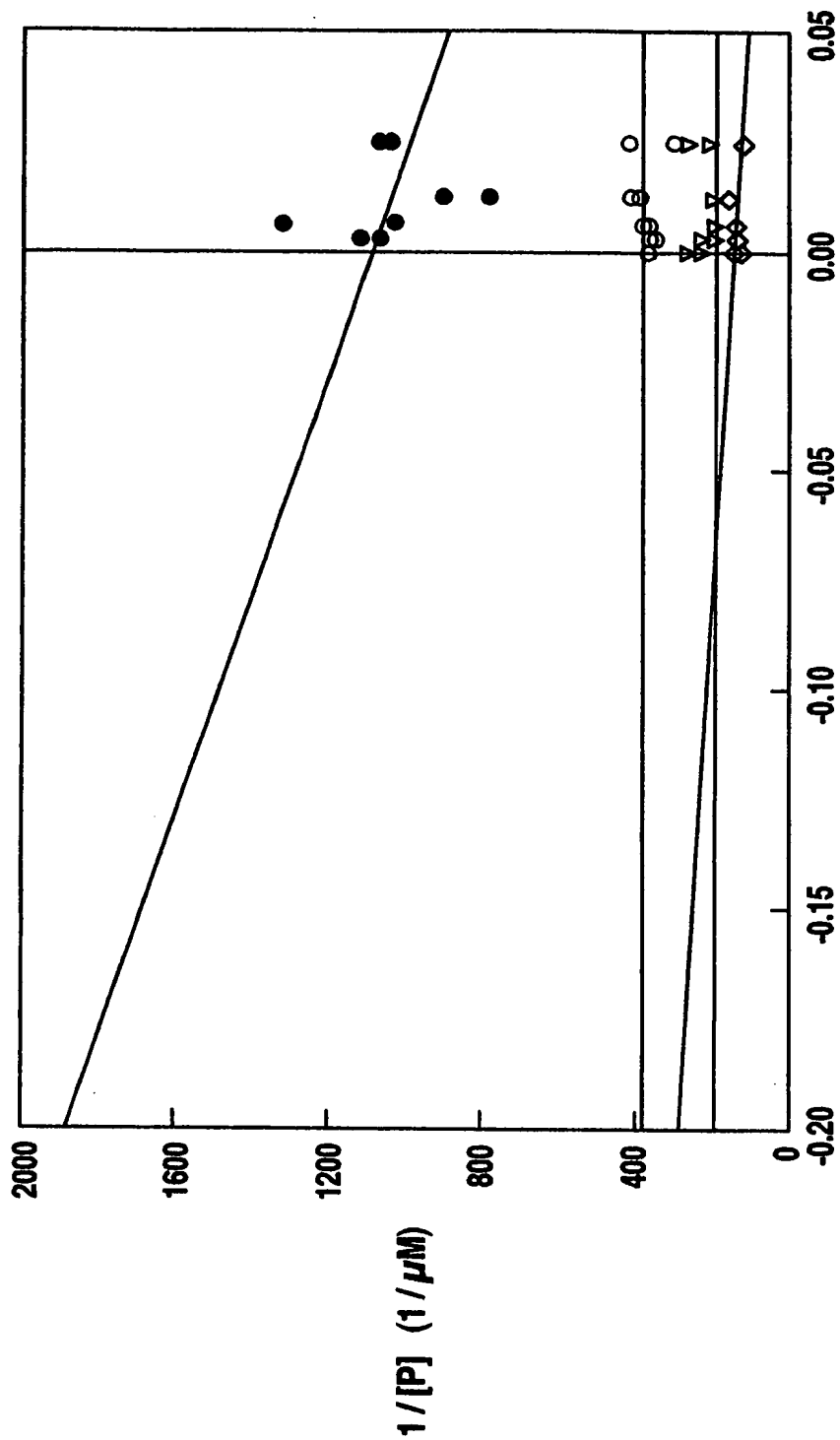
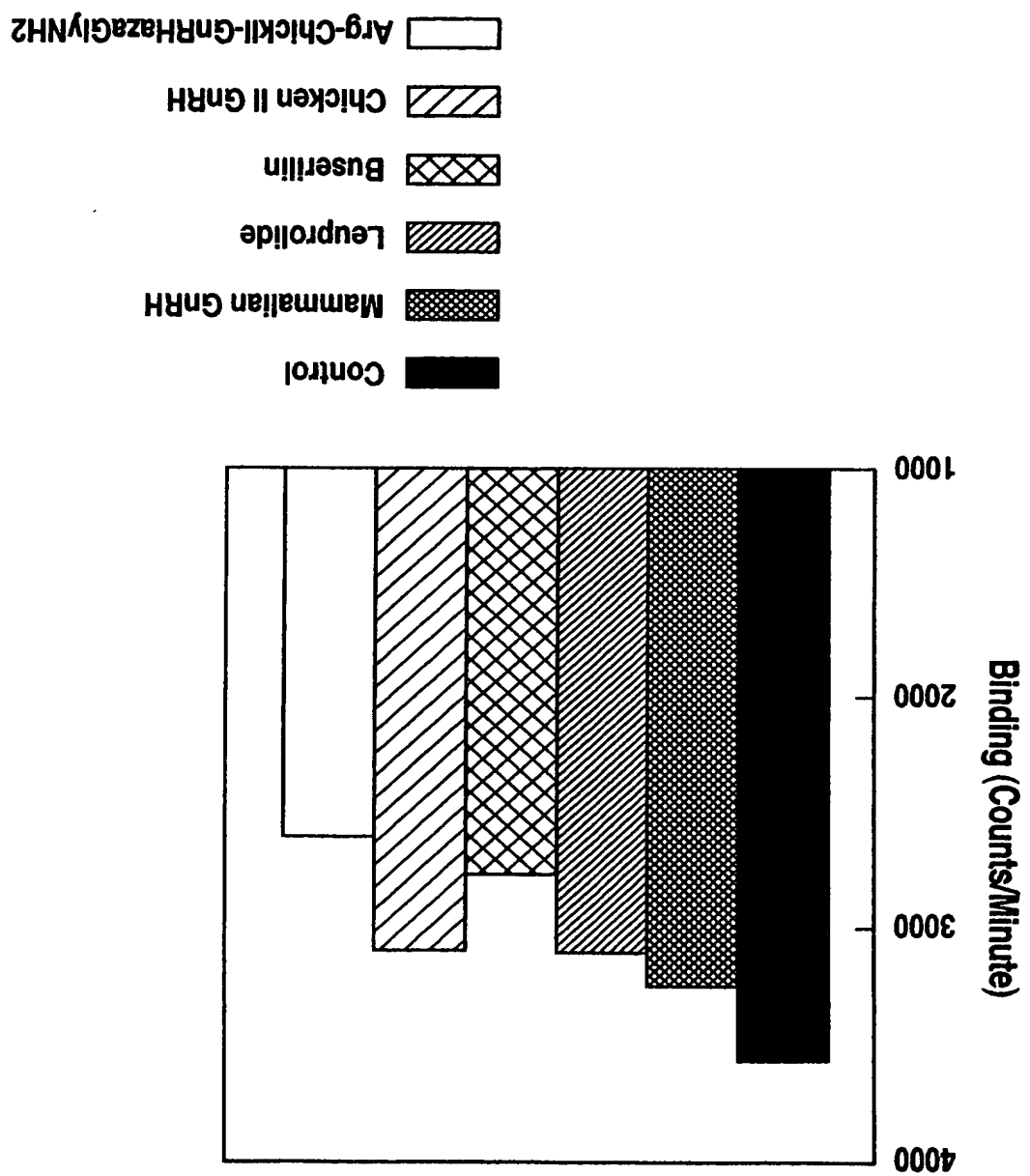


FIGURE 39

FIGURE 40



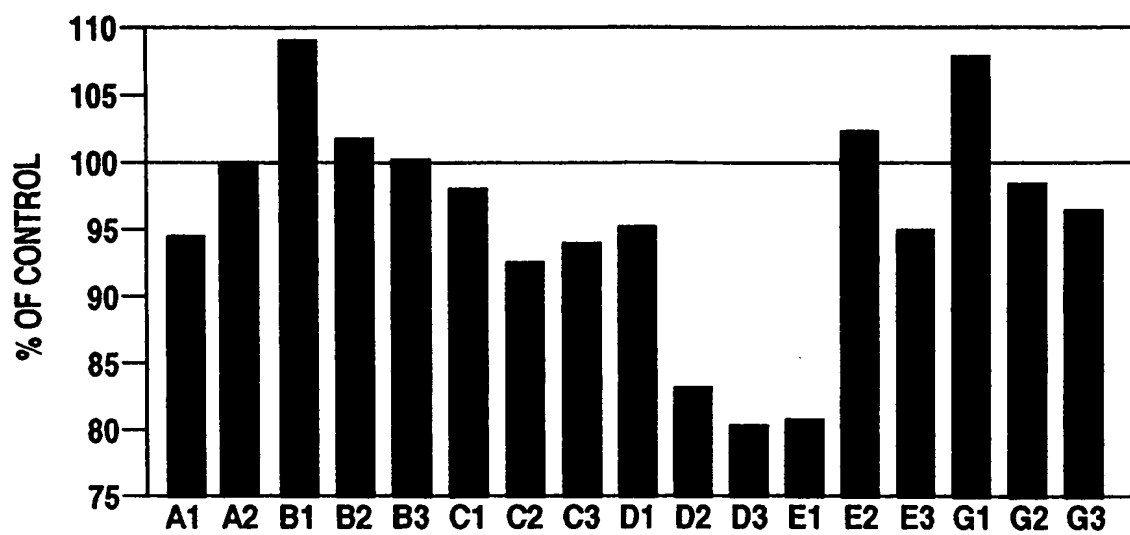


FIGURE 41

Analog of GnRH	
Mammalian	30
Lamprey	20
Salmon	300
Chicken I	80
Chicken II	200
Chicken II EA (10)	130
Chicken II D-Arg (6), aza-Gly (10) amide (SEQ ID NO. 2)	>200
Salmon II D-Arg (6), aza-Gly (10) amide (SEQ ID NO. 4)	200
Mammalian D-Trp (6)	20
Mammalian EA (10)	70
Mammalian D-Trp (6), EA (10)	60
Mammalian D-Leu (6), EA (10)	80
Mammalian But-D-Ser (6), EA (10)	110
Mammalian Im-bzl-D-His (6), EA (10)	>200
Antide	120

FIGURE 42